

# **Natural Gas Monthly**

## **June 1998**

**Energy Information Administration**  
Office of Oil and Gas  
U.S. Department of Energy  
Washington, DC 20585

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*Natural Gas Monthly*, updated on the 20th of the month

*Weekly Coal Production*, updated on Fridays at 5:00 p.m.

*Quarterly Coal Report*, updated 60 days after the end of the quarter

*Electric Power Monthly*, updated on the 1st of the month

*Monthly Energy Review*, updated the last week of the month

*Short Term Energy Outlook*, updated 60 days after the end of the quarter

## Preface

The *Natural Gas Monthly (NGM)* is prepared in the Natural Gas Division, Office of Oil and Gas, Energy Information Administration (EIA), U.S. Department of Energy (DOE), under the direction of Joan E. Heinkel.

General questions and comments regarding the *NGM* may be referred to Ann M. Ducca (202) 586-6137. Specific technical questions may be referred to the appropriate persons listed in Appendix E.

The *NGM* highlights activities, events, and analyses of interest to public and private sector organizations associated with the natural gas industry. Volume and price data are presented each month for natural gas production, distribution, consumption, and interstate pipeline activities. Producer-related activities and underground storage data are also reported. From time to time, the *NGM* features articles designed to assist readers in using and interpreting natural gas information.

The data in this publication are collected on surveys conducted by the EIA to fulfill its responsibilities for gathering and reporting energy data. Some of the data are collected under the authority of the Federal Energy Regulatory Commission (FERC), an independent commission within the DOE, which has jurisdiction primarily in the regulation of electric utilities and the interstate natural gas industry. Geographic coverage is the 50 States and the District of Columbia.

Explanatory Notes supplement the information found in tables of the report. A description of the data collection surveys that support the *NGM* is provided in the Data Sources section. A glossary of the terms used in this report is also provided to assist readers in understanding the data presented in this publication.

All natural gas volumes are reported at a pressure base of 14.73 pounds per square inch absolute (psia) and at 60 degrees Fahrenheit. Cubic feet are converted to cubic meters by applying a factor of 0.02831685.

## Common Abbreviations Used in the Natural Gas Monthly

AGA	American Gas Association	IOGCC	Interstate Oil and Gas Compact Commission
Bbl	Barrels	LNG	Liquefied Natural Gas
BLS	Bureau of Labor Statistics, U.S. Department of Labor	Mcf	Thousand Cubic Feet
Bcf	Billion Cubic Feet	MMBtu	Million British Thermal Units
BOM	Bureau of Mines, U.S. Department of the Interior	MMcf	Million Cubic Feet
Btu	British Thermal Unit	MMS	United States Minerals Management Service, U.S. Department of the Interior
DOE	U.S. Department of Energy	NGL	Natural Gas Liquids
DOI	U.S. Department of the Interior	OCS	Outer Continental Shelf
EIA	Energy Information Administration, U.S. Department of Energy	STIFS	Short-Term Integrated Forecasting System
FERC	Federal Energy Regulatory Commission	STEO	Short Term Energy Outlook
		Tcf	Trillion Cubic Feet

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# Highlights

## Overview

This issue of the *Natural Gas Monthly* presents the most recent estimates of natural gas data from the Energy Information Administration (EIA). Estimates extend through June 1998 for many data series and through March for most price series. Highlights of the data contained in this issue are:

- Net injections into underground storage are continuing at a rapid rate as the 1998 refill season (April through October) proceeds. From April through June 1998, they are estimated to be 890 billion cubic feet, 20 percent higher than during the same period last year.
- During 1998, monthly estimates of natural gas production and net imports show small increases over 1997 levels.
- Cumulatively for January through June 1998, natural gas consumption declined in all end-use sectors compared with a year ago. Total end-use consumption is estimated to be 10,358 billion cubic feet, 3 percent lower than for the same period of 1997. The drop in residential and commercial consumption may be attributed in part to warmer-than-normal temperatures during the 1997-1998 heating season (November through March), resulting in less demand for gas for space heating.
- Cumulatively from January through March 1998, all natural gas prices dropped compared with the same time period in 1997. The decrease in prices reflects the lower demand for gas during the past heating season.

## Supply

Estimates of natural gas production and net imports through June 1998 indicate a slight increase in supply compared with last year. Net injections into storage have also been strong thus far in the 1998 refill season (April through October). From April through June, estimated net injections totaled 890 billion cubic feet, 20 percent higher than during the same period last year.

Dry gas production in June 1998 was estimated to be 1,553 billion cubic feet or 51.8 billion cubic feet per day (Table 1). Although this level represented a decline of 5 percent from the previous month, it was 1 percent higher than in June 1997. Cumulatively from January through June, dry production rose 1 percent from 1997 to 1998 (Figure HI1).

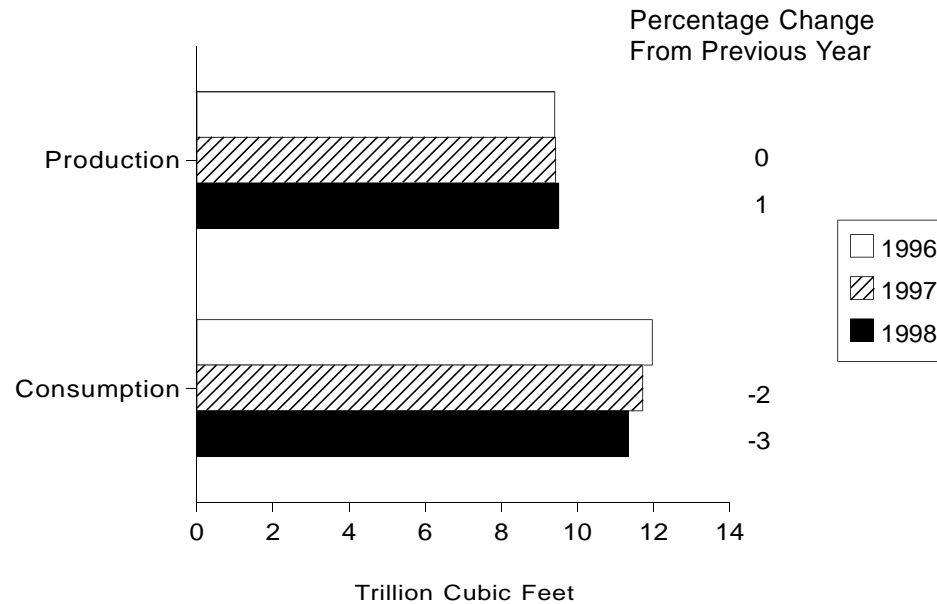
Net imports, which make a significant contribution to the supply of natural gas in the United States, are estimated to be 238 billion cubic feet in June 1998 or 7.9 billion cubic feet per day (Table 2). The monthly estimates of net imports in 1998 have exceeded those of 1997 in every month. Cumulatively for January through June, net imports are 4 percent higher than they were one year ago.

Working gas in underground storage ended the 1997-1998 heating season (November through March) at 1,184 billion cubic feet, 19 percent more than at the end of the previous heating season. Despite this higher level of gas, the refill season began aggressively in April and May as an estimated 548 billion cubic feet of gas was added to underground storage, 45 percent more than during the same months last year. The rate of injections slowed in June 1998 when an estimated 342 billion cubic feet was added (negative net withdrawals in Table 10), 6 percent less than in June 1997. Still, working gas in storage at the end of June 1998 is estimated to be 2,148 billion cubic feet, 24 percent higher than a year ago (Figure HI2).

## End-Use Consumption

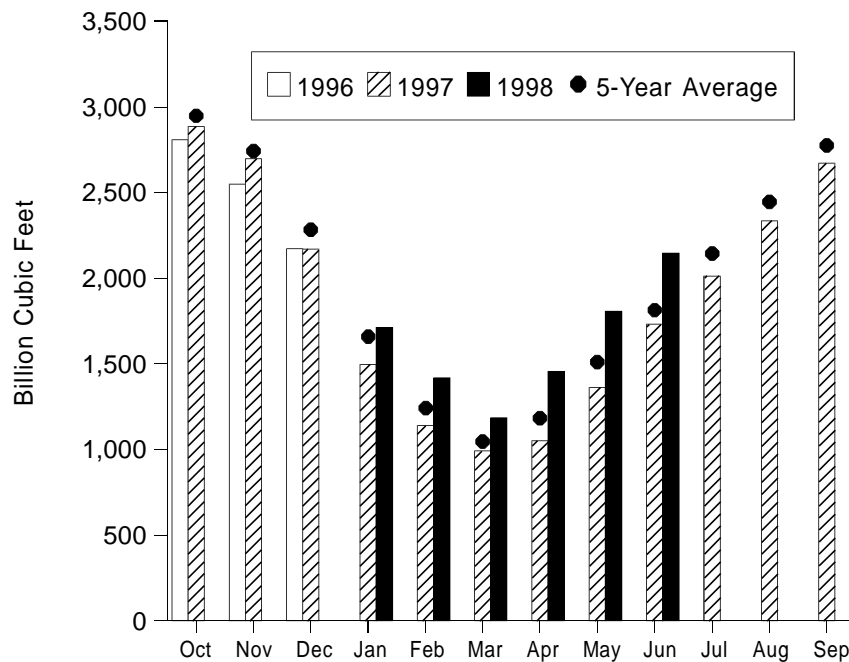
Natural gas consumption by end users in June 1998 is estimated to be 1,295 billion cubic feet, 9 percent less than in May (Table 3). Cumulatively for January through June 1998, end-use consumption is estimated to be 10,358 billion cubic feet, 3 percent lower than for the same period of 1997. The cumulative decline occurred primarily in the residential and industrial sectors as respective consumption levels were 215 and 199 billion cubic feet lower than during the first half of 1997 (Figure HI3). Consumption in the commercial sector also fell, but by a smaller amount (68 billion cubic feet).

**Figure HI1. Natural Gas Production and Consumption, January-June, 1996-1998**



Source: Table 2.

**Figure HI2. Working Gas in Underground Storage in the United States, 1996-1998**



Note: The 5-year average is calculated using the latest available monthly data. For example, the December average is calculated from December storage levels for 1993 to 1997 while the January average is calculated from January levels for 1994 to 1998. Data are reported as of the end of the month, thus October data represent the beginning of the heating season.

Sources: Form EIA-191, "Underground Natural Gas Storage Report," Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition," and Short-Term Integrated Forecasting System.



Consumption estimates in the residential and commercial sectors totaled 304 billion cubic feet in June 1998. This level was 5 percent less than in June 1997. The decline in residential and commercial consumption may be attributed in part to warmer-than-normal temperatures during the 1997-1998 heating season, resulting in less demand for gas for space heating.

Estimates of natural gas consumption by electric utilities are now available through March 1998. Electric utilities consumed an estimated 194 billion cubic feet in March 1998, 45 percent more than in February. Electric utility consumption is typically at its lowest during the winter months when the demand for natural gas for space heating is at its highest. However, cumulatively from January through March, electric utility consumption was 499 billion cubic feet, 6 percent higher than during the same period of 1997.

## Prices

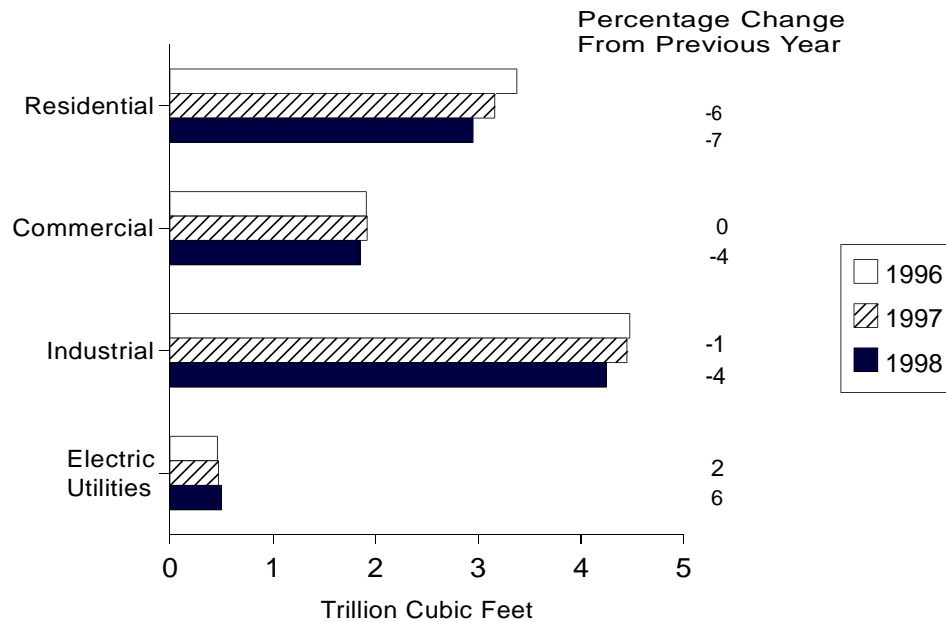
The average natural gas wellhead price in March 1998 is estimated to be \$1.86 per thousand cubic feet, 13 percent higher than the price in February and 16 percent higher than in March 1997 (Table 4). This increase reversed the pattern of declining prices seen beginning in December of the 1997-1998 heating season. Prices in December, January, and February were well below those in the same months of the 1996-1997 heating season. The 1997-1998 heating season was dominated by one of the largest "El Nino" weather patterns of this century, and November was the only month that recorded colder-than-normal weather. Temperatures gradually moderated in succeeding months. However, some of the coldest temperatures of the season occurred in early March, contributing to the rise in wellhead prices during that month.

The estimated price paid for natural gas in the residential sector fell by 2 percent from February to March to \$6.24 per thousand cubic feet. Residential prices in 1997 peaked in August at \$8.81 per thousand cubic feet and since then have continued to decline. Cumulatively from January through March 1998, the price averaged \$6.36 per thousand cubic feet, 5 percent less than one year ago (Figure HI4). The price for deliveries to commercial consumers also dropped from February to March, by 3 percent. Compared with residential prices, commercial prices showed less variation throughout 1997 and into 1998, although cumulatively from January to March 1998 they were 9 percent less than during the same period of 1997.

In the industrial and electric utility sectors, prices are more sensitive to the decline in wellhead price. The estimated price in the industrial sector decreased by 6 percent from February to March 1998. Cumulatively from January through March, it was 13 percent below the level for the same period in 1997. The electric utility prices are available through February 1998 in this report. Cumulatively from January through February, estimated prices in the electric utility sector are sharply lower (29 percent) in 1998 than in 1997--\$2.58 versus \$3.62 per thousand cubic feet.

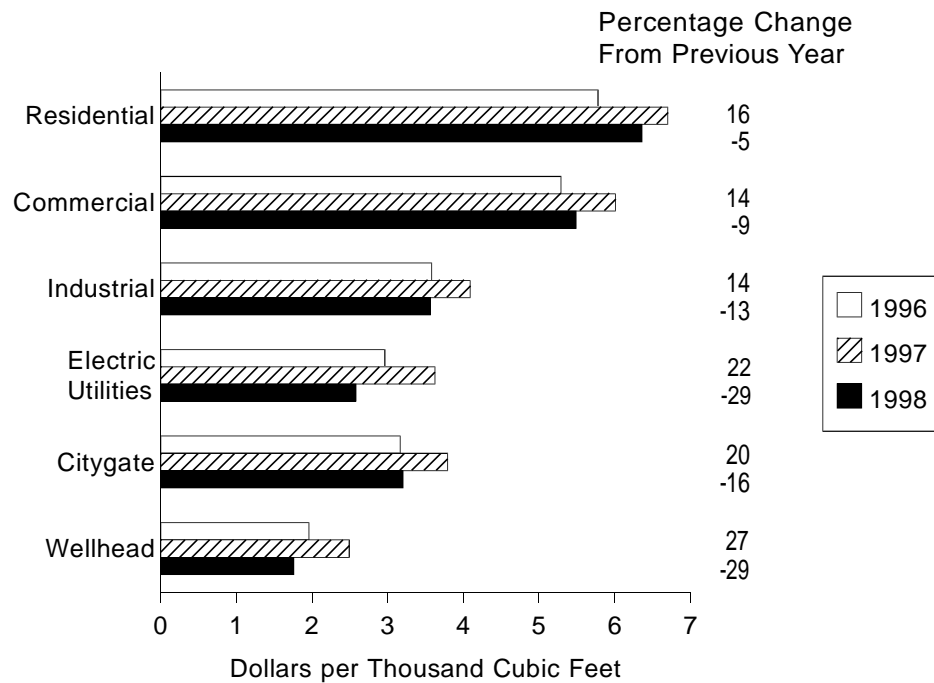
The July futures contract at the Henry Hub declined most days during the first half of June reaching a low of \$1.93 per million Btu (Figure HI5). However, the persistent high temperatures in the Southwest coupled with some recent weather forecasts calling for continued warmer-than-normal temperatures in July and August in the Southwest contributed to a rise in prices during the last week of June. The July contract settled on Tuesday, June 23, at \$2.391 per million Btu and appeared headed for a closing price that will exceed last year's price of \$2.148 for July.

**Figure HI3. Natural Gas Delivered to Consumers, January-June, 1996-1998**



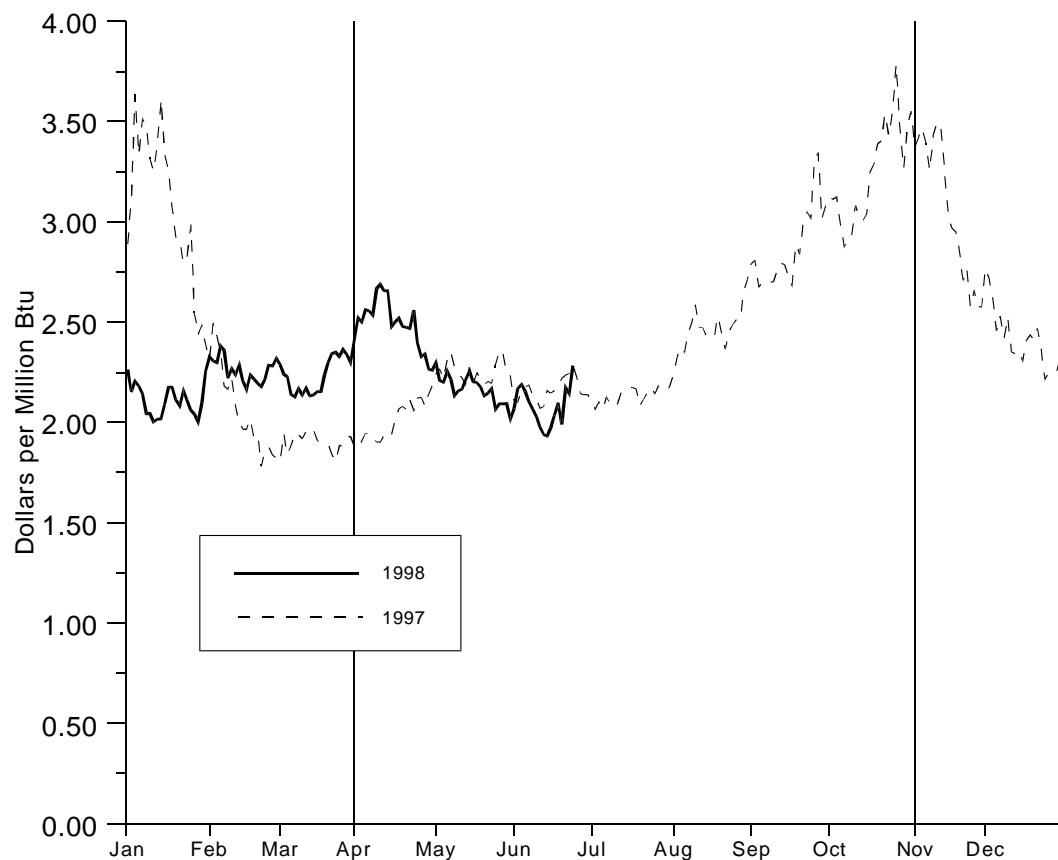
Note: The reporting of electric utility deliveries is 3 months behind the reporting of other deliveries.  
Source: Table 3.

**Figure HI4. Average Delivered and Wellhead Natural Gas Prices, January-March 1996-1998**



Note: Commercial and industrial average prices reflect onsystem sales only. The reporting of electric utility prices is 1 month behind the reporting of other prices..  
Source: Table 4.

**Figure HI5. Daily Futures Settlement Prices at the Henry Hub**



Note: The futures price is for the nearby month contract, that is, for the next contract to terminate trading. Contracts are traded on the New York Mercantile Exchange. April 1 is the beginning of the natural gas storage refill season. November 1 is the beginning of the heating season.

Source: Commodity Futures Trading Commission, Division of Economic Analysis.

**Table 1. Summary of Natural Gas Production in the United States, 1992-1998**  
(Billion Cubic Feet)

Year and Month	Gross Withdrawals	Repressuring	Nonhydrocarbon Gases Removed <sup>a</sup>	Vented and Flared	Marketed Production (Wet)	Extraction Loss <sup>b</sup>	Dry Gas Production <sup>c</sup>
<b>1992 Total</b> .....	22,132	2,973	280	168	18,712	872	17,840
<b>1993 Total</b> .....	22,726	3,103	414	227	18,982	886	18,095
<b>1994 Total</b> .....	23,581	3,231	412	228	19,710	889	18,821
<b>1995 Total</b> .....	23,744	3,565	388	284	19,506	908	18,599
<b>1996</b>							
January .....	2,052	310	44	26	1,673	81	1,591
February .....	1,941	294	41	24	1,580	77	1,504
March .....	2,054	313	45	23	1,674	81	1,592
April .....	2,003	289	42	22	1,650	80	1,570
May .....	2,025	281	42	23	1,679	81	1,598
June .....	1,962	276	36	16	1,634	79	1,555
July .....	2,008	271	42	24	1,672	81	1,591
August .....	2,021	281	45	24	1,671	81	1,590
September .....	1,958	283	44	22	1,609	78	1,531
October .....	2,011	306	44	23	1,638	79	1,558
November .....	1,984	299	47	23	1,615	78	1,537
December .....	2,032	307	46	23	1,656	80	1,576
<b>Total</b> .....	24,052	3,510	518	272	19,751	958	18,793
<b>1997</b>							
January .....	E2,094	E327	E41	E21	E1,704	RE83	RE1,622
February .....	E1,910	E301	E38	E19	E1,553	RE75	RE1,477
March .....	E2,098	E322	E43	E23	E1,711	RE83	RE1,628
April .....	E1,985	E296	E42	E21	E1,626	RE79	RE1,547
May .....	E2,070	E313	E42	E21	E1,693	RE82	RE1,610
June .....	RE1,975	E294	E40	RE21	RE1,620	RE79	RE1,541
July .....	E2,032	E295	E42	E22	E1,674	RE81	RE1,593
August .....	E2,009	E283	E42	E22	E1,663	RE81	RE1,582
September .....	RE1,983	RE295	E42	E21	RE1,625	RE79	RE1,546
October .....	RE2,054	E318	E44	RE23	RE1,669	RE81	RE1,589
November .....	RE2,026	E308	E43	E22	RE1,654	RE80	RE1,574
December .....	E2,110	E334	E44	E24	E1,708	RE83	RE1,626
<b>Total</b> .....	RE24,346	E3,685	E503	E258	RE19,900	RE965	RE18,935
<b>1998</b>							
January .....	RE2,107	E331	RE45	RE22	RE1,708	RE83	RE1,625
February .....	RE1,919	RE292	RE41	RE19	RE1,567	RE76	RE1,491
March .....	RE2,124	RE329	RE45	RE22	E1,728	RE84	RE1,644
April .....	E2,023	E313	E43	E21	E1,646	E80	E1,566
<b>May(STIFS)</b> .....	NA	NA	NA	NA	E1,714	E83	E1,631
<b>June(STIFS)</b> .....	NA	NA	NA	NA	E1,632	E79	E1,553
<b>1998 YTD</b> .....	NA	NA	NA	NA	E9,995	E484	E9,511
<b>1997 YTD</b> .....	E12,131	E1,853	E247	E126	E9,906	E480	E9,426
<b>1996 YTD</b> .....	12,037	1,763	250	134	9,890	480	9,410

<sup>a</sup> See Appendix A, Explanatory Note 1, for a discussion of data on Nonhydrocarbon Gases Removed.

<sup>b</sup> Extraction loss is only collected on an annual basis. Annually it is between 4 and 5 percent of marketed production. Monthly extraction loss is estimated from monthly marketed production by assuming that the preceding annual percentage remains constant for the next twelve months.

<sup>c</sup> Equal to marketed production (wet) minus extraction loss.

<sup>E</sup> = Estimated Data.

<sup>RE</sup> = Revised Estimated Data.

<sup>NA</sup> = Not Available.

Notes: Data for 1992 through 1996 are final. All other data are preliminary unless otherwise indicated and contain estimates for selected States (see Table 7). Estimates for the most recent two months are derived from the Short-Term Integrated Forecasting System (STIFS). Geographic coverage is the 50 States and the District of Columbia. Totals may not equal sum of components because of independent rounding.

Sources: 1992-1996: Energy Information Administration (EIA), *Natural Gas Annual 1996*. January 1997 through current month: Form EIA-895, "Monthly Quantity of Natural Gas Report," STIFS, and EIA estimates. See Appendix A, Explanatory Notes 1, 3, and 6, for discussion of computation and estimation procedures and revision policies.

**Table 2. Supply and Disposition of Dry Natural Gas in the United States, 1992-1998**  
(Billion Cubic Feet)

Year and Month	Dry Gas Production	Supplemental Gaseous Fuels <sup>a</sup>	Net Imports	Net Storage Withdrawals <sup>b</sup>	Balancing Item <sup>c</sup>	Consumption <sup>d</sup>
<b>1992 Total</b> .....	17,840	118	1,921	173	-508	19,544
<b>1993 Total</b> .....	18,095	119	2,210	-36	-110	20,279
<b>1994 Total</b> .....	18,821	111	2,462	-286	-400	20,708
<b>1995 Total</b> .....	18,599	110	2,687	415	-230	21,581
<b>1996</b>						
January .....	1,591	12	249	723	-2	2,574
February .....	1,504	11	221	462	138	2,335
March .....	1,592	11	226	333	46	2,209
April .....	1,570	9	227	-119	139	1,826
May .....	1,598	6	244	-339	67	1,576
June .....	1,555	8	214	-388	65	1,454
July .....	1,591	8	222	-382	-3	1,436
August .....	1,590	8	221	-358	4	1,465
September .....	1,531	8	227	-379	12	1,399
October .....	1,558	9	236	-210	-62	1,531
November .....	1,537	10	238	272	-161	1,896
December .....	1,576	10	259	387	35	2,266
<b>Total</b> .....	18,793	109	2,784	2	279	21,967
<b>1997</b>						
January .....	<sup>RE</sup> 1,622	13	264	684	-64	<sup>R</sup> 2,518
February .....	<sup>RE</sup> 1,477	11	231	358	<sup>R</sup> 178	<sup>R</sup> 2,256
March .....	<sup>RE</sup> 1,628	10	243	155	<sup>R</sup> 68	<sup>R</sup> 2,105
April .....	<sup>RE</sup> 1,547	9	221	-58	<sup>R</sup> 75	<sup>R</sup> 1,794
May .....	<sup>RE</sup> 1,610	9	229	-321	<sup>R</sup> 72	1,601
June .....	<sup>RE</sup> 1,541	7	226	-364	<sup>R</sup> 34	1,444
July .....	<sup>RE</sup> 1,593	8	222	-281	<sup>R</sup> 19	<sup>R</sup> 1,561
August .....	<sup>RE</sup> 1,582	9	231	-322	<sup>R</sup> 28	1,528
September .....	<sup>RE</sup> 1,546	7	232	-336	<sup>R</sup> -2	1,448
October .....	<sup>RE</sup> 1,589	9	234	-211	<sup>R</sup> -84	<sup>R</sup> 1,537
November .....	<sup>RE</sup> 1,574	11	254	189	<sup>R</sup> -143	<sup>R</sup> 1,885
December .....	<sup>RE</sup> 1,626	12	246	533	<sup>R</sup> -102	<sup>R</sup> 2,315
<b>Total</b> .....	<sup>RE</sup> 18,935	116	2,833	27	<sup>R</sup> 80	<sup>R</sup> 21,991
<b>1998</b>						
January .....	<sup>RE</sup> 1,625	<sup>E</sup> 12	<sup>E</sup> 270	466	<sup>R</sup> 1	<sup>R</sup> 2,375
February .....	<sup>RE</sup> 1,491	<sup>E</sup> 10	<sup>RE</sup> 233	299	<sup>R</sup> 40	<sup>R</sup> 2,073
March .....	<sup>RE</sup> 1,644	<sup>E</sup> 11	<sup>RE</sup> 251	241	<sup>R</sup> -48	2,099
April .....	<sup>E</sup> 1,566	<sup>E</sup> 9	<sup>E</sup> 238	-198	161	<sup>R</sup> 1,777
<b>May(STIFS)</b> .....	<sup>E</sup> 1,631	<sup>E</sup> 9	<sup>RE</sup> 245	<sup>E</sup> -350	<sup>RE</sup> 41	<sup>RE</sup> 1,576
<b>June(STIFS)</b> .....	<sup>E</sup> 1,553	<sup>E</sup> 9	<sup>E</sup> 238	<sup>E</sup> -342	<sup>E</sup> -17	<sup>E</sup> 1,441
<b>1998 YTD</b> .....	<sup>E</sup> 9,511	<sup>E</sup> 60	<sup>E</sup> 1,476	<sup>E</sup> 116	<sup>E</sup> 179	<sup>E</sup> 11,341
<b>1997 YTD</b> .....	<sup>E</sup> 9,426	60	1,415	454	364	11,717
<b>1996 YTD</b> .....	9,410	57	1,382	672	452	11,973

<sup>a</sup> Supplemental gaseous fuels data are only collected on an annual basis except for the Dakota Gasification Inc. coal gasification facility which provides data each month. The ratio of annual supplemental fuels (excluding Dakota Gasification Inc.) to the sum of dry gas production, net imports, and net withdrawals from storage is calculated. This ratio, which varies between .0025 and .0037, is applied to the monthly sum of these three elements. The Dakota Gasification Inc. monthly value is added to the result to produce the monthly supplemental fuels estimate.

<sup>b</sup> Monthly and annual data for 1991 through 1996 include underground storage and liquefied natural gas storage. Data for January 1997 forward include underground storage only. See Appendix A, Explanatory Note 7 for discussion of computation procedures.

<sup>c</sup> Represents quantities lost and imbalances in data due to differences among data sources. See Appendix A, Explanatory Note 9, for full discussion.

<sup>d</sup> Consists of pipeline fuel use, lease and plant fuel use, vehicle fuel, and deliveries to consuming sectors as shown in Table 3.

<sup>R</sup> = Revised Data.

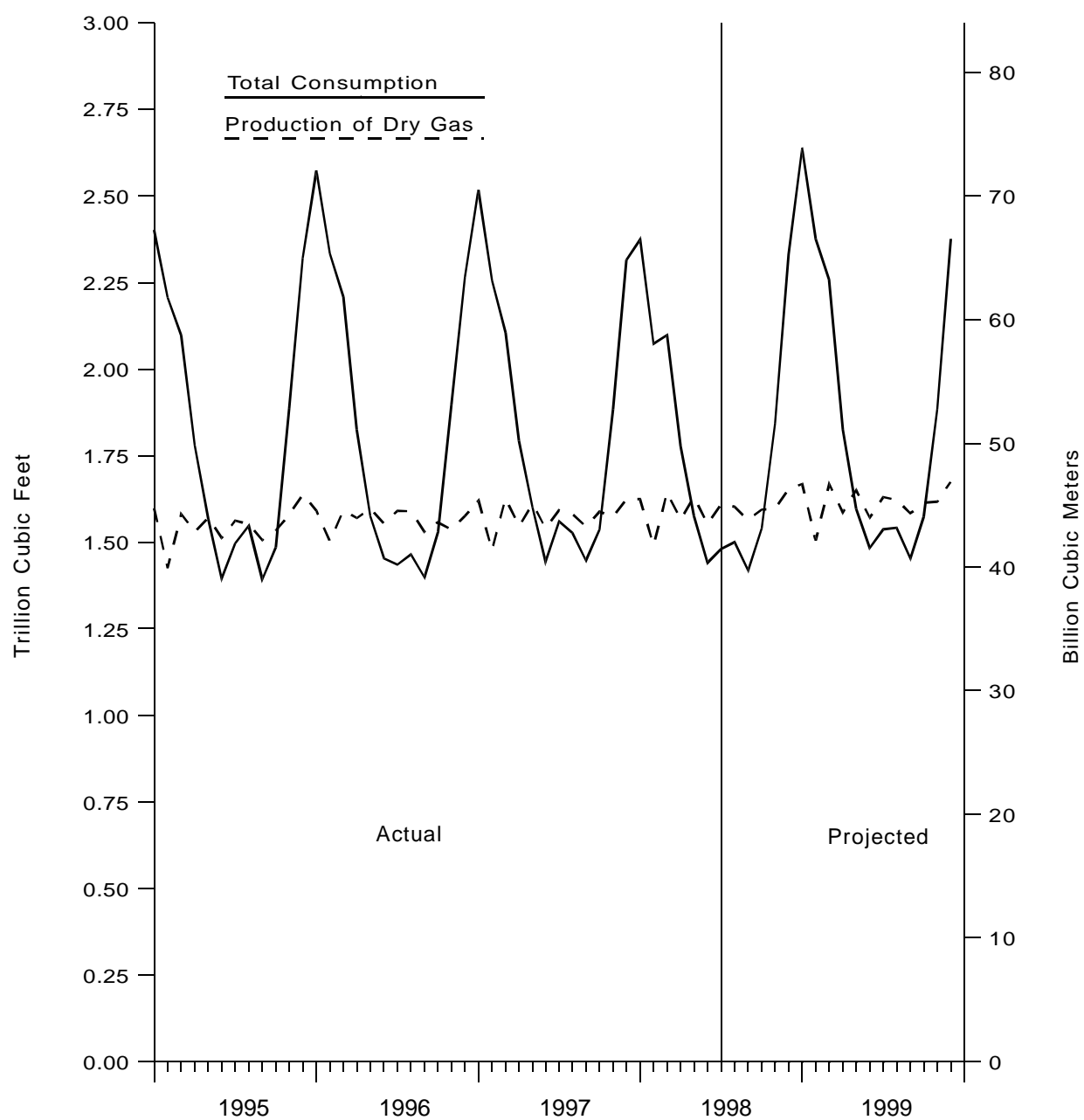
<sup>E</sup> = Estimated Data.

<sup>RE</sup> = Revised Estimated Data.

Notes: Data for 1992 through 1996 are final. All other data are preliminary unless otherwise indicated. Estimates for the most recent two months are derived from the Short-Term Integrated Forecasting System (STIFS). Geographic coverage is the 50 States and the District of Columbia. Totals may not equal sum of components because of independent rounding.

Sources: 1992-1996: Energy Information Administration (EIA), *Natural Gas Annual 1996*, 1994-1995: EIA: Form EIA-627, "Annual Quantity and Value of Natural Gas Report" (1995 data only), Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers," Form EIA-191, "Monthly Underground Gas Storage Report," Form FPC-14, "Annual Report for Importers and Exporters of Natural Gas," Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers," EIA computations and *Natural Gas Annual 1996*. January 1997 through current month: EIA, Form EIA-895, "Monthly Quantity of Natural Gas Report," Form EIA-857, Form EIA-191, EIA computations, and estimates, Short-Term Integrated Forecasting System (STIFS) computations, and Office of Fossil Energy, U.S. Department of Energy, Natural Gas Imports and Exports. See Appendix A for discussion of computation and estimation procedures and revision policies.

Figure 1. Production and Consumption of Natural Gas in the United States, 1995-1999



Sources: 1995 through the current month: Table 2. Projected data: Energy Information Administration, *Short-Term Energy Outlook* (October 1997).

**Table 3. Natural Gas Consumption in the United States, 1992-1998**  
(Billion Cubic Feet)

Year and Month	Lease and Plant Fuel <sup>a</sup>	Pipeline Fuel <sup>b</sup>	Delivered to Consumers					Total Consumption
			Residential	Commercial	Industrial	Electric Utilities	Total	
<b>1992 Total</b> .....	1,171	588	4,690	<sup>c</sup> 2,803	7,527	2,766	17,786	19,544
<b>1993 Total</b> .....	1,172	624	4,956	<sup>c</sup> 2,863	7,981	2,682	18,483	20,279
<b>1994 Total</b> .....	1,124	685	4,848	<sup>c</sup> 2,897	8,167	2,987	18,899	20,708
<b>1995 Total</b> .....	1,220	700	4,850	<sup>c</sup> 3,034	8,580	3,197	19,660	21,581
<b>1996</b>								
January .....	106	85	934	480	800	168	2,382	2,574
February .....	101	77	831	443	747	137	2,158	2,335
March .....	106	72	705	387	781	156	2,030	2,209
April .....	104	59	474	284	736	170	1,663	1,826
May .....	106	50	271	183	701	264	1,420	1,576
June .....	102	46	162	133	710	299	1,305	1,454
July .....	105	46	124	126	677	358	1,285	1,436
August .....	105	47	118	123	704	367	1,312	1,465
September .....	102	45	138	124	706	285	1,253	1,399
October .....	104	49	243	171	737	226	1,378	1,531
November .....	103	62	503	295	764	170	1,732	1,896
December .....	105	74	738	409	807	132	2,086	2,266
<b>Total</b> .....	1,250	711	5,241	<sup>c</sup> 3,161	8,870	2,732	20,006	21,967
<b>1997</b>								
January .....	<sup>E</sup> 107	82	907	<sup>R</sup> 477	806	139	<sup>R</sup> 2,330	<sup>R</sup> 2,518
February .....	<sup>E</sup> 97	73	767	428	<sup>R</sup> 748	143	<sup>R</sup> 2,086	<sup>R</sup> 2,256
March .....	<sup>E</sup> 107	68	606	<sup>R</sup> 366	<sup>R</sup> 768	190	<sup>R</sup> 1,930	<sup>R</sup> 2,105
April .....	<sup>E</sup> 102	58	435	273	<sup>R</sup> 733	193	<sup>R</sup> 1,634	<sup>R</sup> 1,794
May .....	<sup>E</sup> 106	52	286	212	<sup>R</sup> 713	231	1,443	1,601
June .....	<sup>E</sup> 101	47	161	159	681	296	1,296	1,444
July .....	<sup>E</sup> 105	51	131	151	<sup>R</sup> 696	428	<sup>R</sup> 1,406	<sup>R</sup> 1,561
August .....	<sup>E</sup> 104	49	119	147	716	391	1,374	1,528
September .....	<sup>RE</sup> 102	47	132	147	688	333	1,300	1,448
October .....	<sup>RE</sup> 105	50	236	<sup>R</sup> 195	706	246	<sup>R</sup> 1,383	<sup>R</sup> 1,537
November .....	<sup>RE</sup> 104	61	499	317	724	180	1,720	<sup>R</sup> 1,885
December .....	<sup>E</sup> 107	75	<sup>R</sup> 732	413	790	199	<sup>R</sup> 2,133	<sup>R</sup> 2,315
<b>Total</b> .....	<sup>RE</sup> 1,246	712	<sup>R</sup> 5,010	<sup>R</sup> 3,284	<sup>R</sup> 8,769	2,969	<sup>R</sup> 20,033	<sup>R</sup> 21,991
<b>1998</b>								
January .....	<sup>RE</sup> 107	77	799	<sup>R</sup> 445	<sup>R</sup> 776	171	<sup>R</sup> 2,191	<sup>R</sup> 2,375
February .....	<sup>E</sup> 98	67	<sup>E</sup> 676	<sup>R</sup> 402	<sup>R</sup> 697	134	1,908	<sup>R</sup> 2,073
March .....	<sup>E</sup> 108	68	631	368	730	194	1,923	2,099
<b>April(STIFS)</b> .....	<sup>E</sup> 101	<sup>E</sup> 57	<sup>E</sup> 436	<sup>E</sup> 285	<sup>R</sup> 705	NA	<sup>R</sup> 1,619	<sup>R</sup> 1,777
<b>May(STIFS)</b> .....	<sup>E</sup> 104	<sup>E</sup> 50	<sup>E</sup> 252	<sup>E</sup> 194	<sup>RE</sup> 680	NA	<sup>RE</sup> 1,422	<sup>RE</sup> 1,576
<b>June(STIFS)</b> .....	<sup>E</sup> 100	<sup>E</sup> 46	<sup>E</sup> 152	<sup>E</sup> 152	<sup>E</sup> 662	NA	<sup>E</sup> 1,295	<sup>E</sup> 1,441
<b>1998 YTD<sup>d</sup></b> .....	<sup>E</sup> 618	<sup>E</sup> 365	<sup>E</sup> 2,946	<sup>E</sup> 1,847	<sup>E</sup> 4,250	499	<sup>E</sup> 10,358	<sup>E</sup> 11,341
<b>1997 YTD</b> .....	<sup>E</sup> 620	379	3,161	1,915	4,449	472	10,718	11,717
<b>1996 YTD</b> .....	626	390	3,377	1,910	4,475	461	10,957	11,973

<sup>a</sup> Plant fuel data are only collected on an annual basis and monthly lease fuel data are only collected annually. Lease and plant fuel estimates have been between 6 and 7 percent of marketed production annually. Monthly lease and plant fuel use is estimated from monthly marketed production by assuming that the preceding annual percentage remains constant for the next twelve months.

<sup>b</sup> Pipeline fuel use is only collected on an annual basis. Annually it is between 3 and 4 percent of total consumption. Monthly pipeline fuel data are estimated from monthly total consumption (excluding pipeline fuel) by assuming that the preceding annual percentage remains constant for the next twelve months.

<sup>c</sup> Vehicle fuel deliveries, in billion cubic feet, were 0.4 in 1991, 0.5 in 1992, 1.0 in 1993, 1.7 in 1994, 2.7 in 1995 and 2.9 in 1996.

<sup>d</sup> Year-to-date volume represents months for which volume information is available in the current year.

<sup>R</sup> = Revised Data.

<sup>E</sup> = Estimated Data.

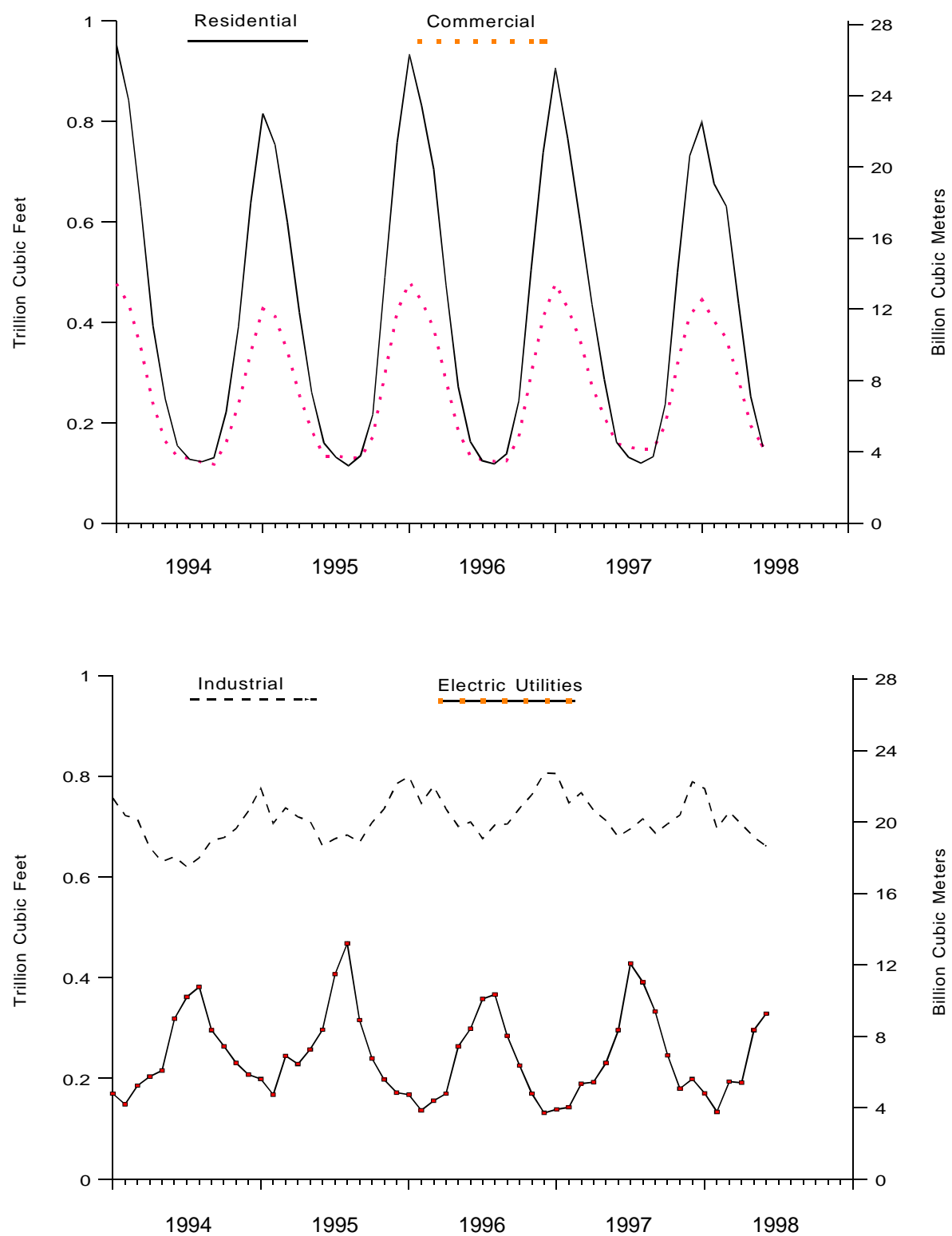
<sup>RE</sup> = Revised Estimated Data.

NA = Not Available.

Notes: Data for 1992 through 1996 are final. All other data are preliminary unless otherwise indicated. Estimates for the most recent three months are derived from the Short-Term Integrated Forecasting System (STIFS). Geographic coverage is the 50 States and the District of Columbia. Totals may not equal sum of components because of independent rounding. In 1996, consumption of natural gas for agricultural use is classified as industrial use. In 1995 and earlier years, agricultural use was classified as commercial use. See Explanatory Note 5 for further explanation.

Sources: 1992-1996: Energy Information Administration (EIA): Form EIA-627, "Annual Quantity and Value of Natural Gas Report," (thru 1994), Form EIA-895 "Monthly Quantity of Natural Gas Report," (1995 forward), Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers," Form EIA-759, "Monthly Power Plant Report," EIA computations, and *Natural Gas Annual 1996*. January 1997 through the current month: EIA: Form 895, "Monthly Quantity of Natural Gas Report," Form EIA-857, Form EIA-759, and STIFS computations. See Appendix A, Explanatory Note 5, for computation procedures and revision policy.

**Figure 2. Natural Gas Deliveries to Consumers in the United States, 1994-1998**



Sources: *Natural Gas Annual*, Form EIA-857, and Form EIA-759.



**Table 4. Selected National Average Natural Gas Prices, 1992-1998**  
(Dollars per Thousand Cubic Feet)

Year and Month	Wellhead Price <sup>a</sup>	City Gate Price	Delivered to Consumers					
			Residential Price	Commercial		Industrial		Electric Utilities Price
				Price	% of Total <sup>b</sup>	Price	% of Total <sup>b</sup>	
<b>1992 Annual Average</b> .....	1.74	3.01	5.89	4.88	83.2	2.84	30.3	2.36
<b>1993 Annual Average</b> .....	2.04	3.21	6.16	5.22	83.9	3.07	29.7	2.61
<b>1994 Annual Average</b> .....	1.85	3.07	6.41	5.44	79.3	3.05	25.5	2.28
<b>1995 Annual Average</b> .....	1.55	2.78	6.06	5.05	76.7	2.71	24.5	2.02
<b>1996</b>								
January .....	2.05	3.14	5.64	5.29	83.2	3.61	22.0	2.87
February .....	1.89	3.16	5.82	5.25	83.3	3.61	22.7	3.07
March .....	1.95	3.17	5.93	5.36	81.8	3.52	22.3	2.73
April .....	2.08	3.22	6.27	5.34	79.5	3.42	20.5	2.68
May .....	2.01	3.18	6.84	5.40	74.6	3.14	18.7	2.52
June .....	2.08	3.41	7.83	5.43	70.0	3.13	16.7	2.59
July .....	2.25	3.49	8.64	5.46	67.8	3.17	18.6	2.69
August .....	2.10	3.46	8.73	5.56	66.3	3.05	17.4	2.57
September .....	1.85	3.05	7.99	5.46	67.1	2.77	16.9	2.24
October .....	1.94	2.94	7.05	5.33	69.1	2.89	17.2	2.37
November .....	2.50	3.46	6.37	5.40	75.7	3.57	18.5	3.04
December .....	3.26	4.18	6.47	5.78	78.1	4.20	20.0	3.98
<b>Annual Average</b> .....	2.17	3.34	6.34	5.40	77.6	3.42	19.4	2.69
<b>1997</b>								
January .....	<sup>E</sup> 3.42	4.27	6.74	6.15	<sup>R</sup> 78.0	4.62	19.4	4.08
February .....	<sup>E</sup> 2.44	3.78	6.80	<sup>R</sup> 6.09	76.9	4.20	17.7	3.18
March .....	<sup>E</sup> 1.61	3.06	6.53	5.72	<sup>R</sup> 73.1	3.36	17.4	2.39
April .....	<sup>E</sup> 1.64	2.94	6.57	<sup>R</sup> 5.45	70.9	2.99	<sup>R</sup> 16.8	2.34
May .....	<sup>E</sup> 1.87	3.16	6.83	5.36	63.8	2.92	16.6	2.51
June .....	<sup>E</sup> 2.01	3.44	8.21	5.56	60.3	3.07	16.0	2.59
July .....	<sup>E</sup> 1.91	3.61	8.55	5.28	58.7	<sup>R</sup> 2.87	<sup>R</sup> 14.7	2.49
August .....	<sup>E</sup> 1.95	3.45	8.81	5.32	56.6	2.92	13.8	2.58
September .....	<sup>E</sup> 2.22	3.60	8.65	5.54	58.1	3.21	13.8	2.99
October .....	<sup>E</sup> 2.70	3.93	<sup>R</sup> 7.59	<sup>R</sup> 5.68	<sup>R</sup> 61.9	3.66	15.2	3.30
November .....	<sup>E</sup> 2.77	3.86	6.85	5.84	67.5	4.07	16.1	3.48
December .....	<sup>E</sup> 2.17	3.48	<sup>R</sup> 6.55	5.69	72.1	3.78	15.1	2.85
<b>Annual Average</b> .....	<sup>E</sup> 2.23	3.61	<sup>R</sup> 6.93	<sup>R</sup> 5.76	<sup>R</sup> 69.5	<sup>R</sup> 3.53	<sup>R</sup> 16.1	2.81
<b>1998</b>								
January .....	<sup>E</sup> 1.79	3.28	6.42	<sup>R</sup> 5.55	72.4	3.66	<sup>R</sup> 15.4	2.64
February .....	<sup>E</sup> 1.64	3.09	<sup>R</sup> 6.39	<sup>R</sup> 5.54	<sup>R</sup> 68.8	<sup>R</sup> 3.61	<sup>R</sup> 15.9	2.51
March .....	<sup>E</sup> 1.86	3.22	6.24	5.36	71.6	3.41	17.0	NA
<b>1998 YTD<sup>c</sup></b> .....	<sup>E</sup> 1.76	3.20	6.36	5.49	71.0	3.56	16.1	2.58
<b>1997 YTD</b> .....	<sup>E</sup> 2.49	3.79	6.70	6.01	76.2	4.09	18.2	3.62
<b>1996 YTD</b> .....	1.96	3.16	5.78	5.29	82.8	3.58	22.3	2.96

<sup>a</sup> See Appendix A, Explanatory Note 8, of the *Natural Gas Monthly (NGM)* for discussion of wellhead prices.

<sup>b</sup> Percentage of total deliveries represented by onsystem sales, see Figure 6. See Table 24 for breakdown by State.

<sup>c</sup> Year-to-date price represents months for which price information is available in the current year.

<sup>R</sup> = Revised Data.

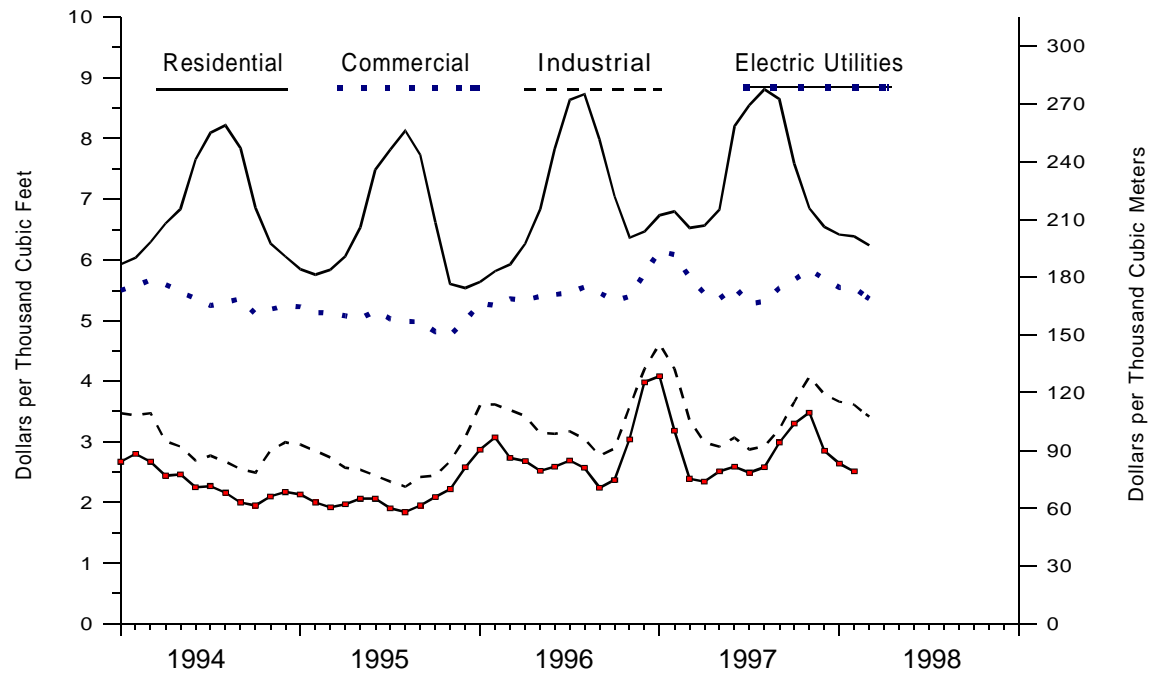
<sup>E</sup> = Estimated Data.

NA = Not Available.

Notes: Data for 1991 through 1996 are final. All other data are preliminary unless otherwise indicated. Geographic coverage is the 50 States and the District of Columbia. In 1996, consumption of natural gas for agricultural use is classified as industrial use. In 1995 and earlier years, agricultural use was classified as commercial use. See Explanatory Note 5 for further explanation.

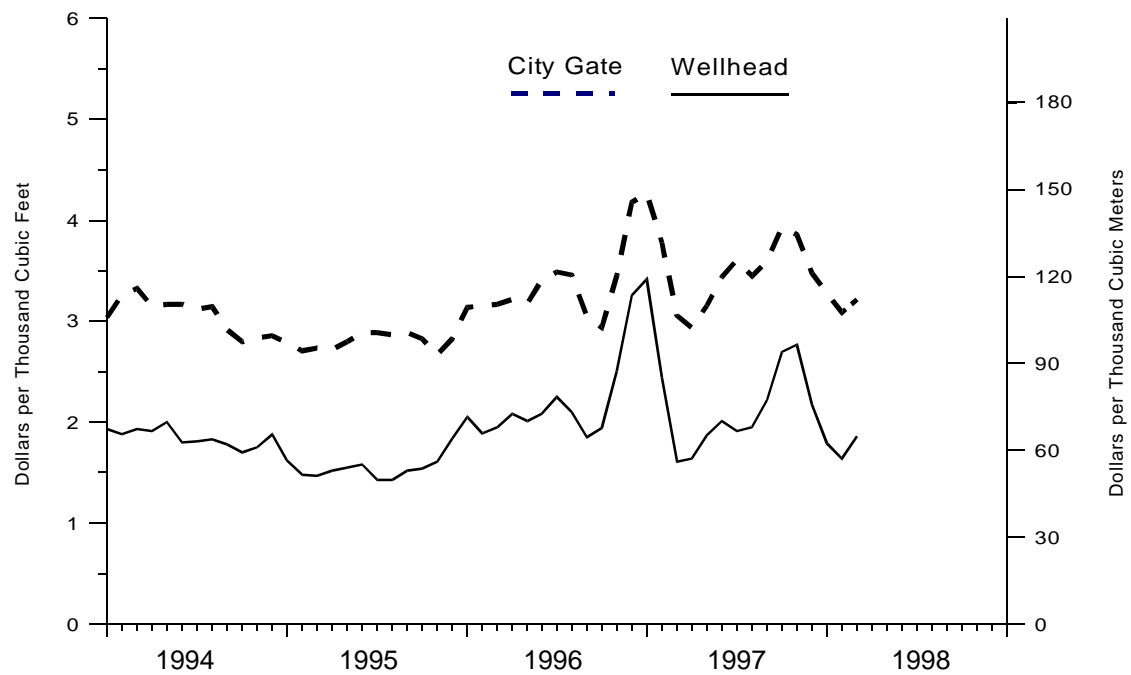
Sources: 1990-1996: Energy Information Administration (EIA) *Natural Gas Annual 1996*. 1997 forward: EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers," Form FERC-423, "Monthly Report of Cost and Quality of Fuels for Electric Plants," and EIA estimates. January 1997 through current month: See Appendix A, Explanatory Note 8 for estimation procedures and revision policy.

**Figure 3. Average Price of Natural Gas Delivered to Consumers in the United States, 1994-1998**



Source: Table 4.

**Figure 4. Average Price of Natural Gas in the United States, 1994-1998**



Source: Table 4.

**Table 5. U.S. Natural Gas Imports, by Country, 1992-1998**

(Volumes in Million Cubic Feet, Prices in Dollars per Thousand Cubic Feet)

Year and Month	Pipeline				LNG				Total	
	Canada		Mexico		Algeria		Other		Volume	Average Price
	Volume	Average Price	Volume	Average Price	Volume	Average Price	Volume	Average Price		
<b>1992 Total</b> .....	2,094,387	1.84	—	—	43,116	2.54	—	—	2,137,504	1.85
<b>1993 Total</b> .....	2,266,751	2.02	1,678	1.94	81,685	2.20	—	—	2,350,115	2.03
<b>1994 Total</b> .....	2,566,049	1.86	7,013	1.99	50,778	2.28	—	—	2,623,839	1.87
<b>1995 Total</b> .....	2,816,408	1.48	6,722	1.53	17,918	2.30	—	—	2,841,048	1.49
<b>1996</b>										
January .....	259,656	2.08	1,499	2.03	2,460	2.81	—	—	263,615	2.09
February .....	230,546	1.94	698	2.14	2,512	2.79	—	—	233,756	1.95
March .....	237,668	1.91	1,259	2.34	2,599	3.06	—	—	241,526	1.92
April .....	230,928	1.86	1,369	2.18	4,559	2.43	—	—	236,857	1.87
May .....	245,522	1.70	4,024	2.14	2,612	2.58	—	—	252,158	1.72
June .....	225,875	1.70	711	2.35	0	—	—	—	226,587	1.70
July .....	232,908	1.82	1,313	2.58	2,642	3.00	—	—	236,864	1.84
August .....	235,199	1.80	30	1.70	2,629	2.56	—	—	237,858	1.80
September .....	234,206	1.60	770	1.69	0	—	<sup>a</sup> 2,524	3.34	237,500	1.62
October .....	241,294	1.68	1,110	2.37	5,116	2.96	—	—	247,520	1.71
November .....	245,795	2.25	982	2.85	5,031	2.59	—	—	251,807	2.26
December .....	263,681	3.00	96	3.30	5,164	2.51	<sup>a</sup> 2,425	3.57	271,366	3.00
<b>Total</b> .....	2,883,277	1.96	13,862	2.25	35,325	2.70	4,949	3.45	2,937,413	1.97
<b>1997</b>										
January .....	264,919	2.93	1,375	3.08	7,560	2.78	<sup>a</sup> 2,417	3.68	276,271	2.93
February .....	233,569	2.49	2,248	2.44	7,667	3.00	—	—	243,484	2.51
March .....	254,416	2.10	2,737	1.84	2,530	2.98	—	—	259,683	2.11
April .....	232,114	1.72	189	1.92	2,557	2.23	—	—	234,860	1.72
May .....	232,065	1.82	2,382	2.03	2,552	2.20	<sup>b</sup> 2,455	2.59	239,455	1.83
June .....	228,505	1.82	1,694	2.21	5,059	2.48	—	—	235,258	1.83
July .....	225,528	1.86	1,088	1.98	5,026	2.48	—	—	231,642	1.87
August .....	241,036	1.86	6	2.35	7,535	2.43	—	—	248,578	1.88
September .....	237,347	1.93	29	2.47	5,030	2.41	<sup>b</sup> 2,337	2.88	244,743	1.95
October .....	240,450	2.32	965	2.92	5,050	2.70	—	—	246,466	2.33
November .....	253,196	2.56	1,781	2.82	7,542	2.89	<sup>b</sup> 4,893	3.07	267,412	2.58
December .....	253,134	2.32	1,810	2.12	7,567	2.88	—	—	262,511	2.33
<b>Total</b> .....	2,896,280	2.16	16,304	2.31	65,675	2.67	12,103	3.06	2,990,363	2.17
<b>1998</b>										
January .....	<sup>E</sup> 273,189	NA	<sup>E</sup> 1,519	NA	10,105	NA	<sup>b</sup> 1,145	NA	<sup>E</sup> 285,958	NA
February .....	<sup>R</sup> 235,288	NA	<sup>E</sup> 1,519	NA	7,607	NA	—	—	<sup>RE</sup> 244,414	NA
March .....	<sup>RE</sup> 260,140	NA	<sup>E</sup> 1,519	NA	5,166	NA	—	—	<sup>RE</sup> 266,825	NA
April .....	<sup>E</sup> 248,000	NA	<sup>E</sup> 1,470	NA	2,549	NA	—	—	<sup>E</sup> 252,019	NA
<b>1998 YTD</b> .....	<sup>E</sup> 1,016,617	NA	<sup>E</sup> 6,027	NA	25,428	NA	1,145	NA	<sup>E</sup> 1,049,216	NA
<b>1997 YTD</b> .....	985,018	2.33	6,549	2.31	20,314	2.82	2,417	3.68	1,014,299	2.34
<b>1996 YTD</b> .....	958,798	1.95	4,825	2.17	12,131	2.72	0	—	975,754	1.96

<sup>a</sup> Received from the United Arab Emirates.

<sup>b</sup> Received from Australia.

<sup>R</sup> = Revised Data.

<sup>E</sup> = Estimated Data.

<sup>RE</sup> = Revised Estimated Data.

NA = Not Available.

— = Not Applicable.

Sources: 1991-1994: Energy Information Administration, Form FPC-14, "Annual Report for Importers and Exporters of Natural Gas." January 1995 through the current month (except estimates): Office of Fossil Energy, U.S. Department of Energy, *Natural Gas Imports and Exports*. Estimated pipeline data (shown with an "E") are taken from data from the National Energy Board of Canada plus EIA estimates. LNG data: Industry reports.

**Table 6. U.S. Natural Gas Exports, by Country, 1992-1998**

(Volumes in Million Cubic Feet, Prices in Dollars per Thousand Cubic Feet)

Year and Month	Pipeline				LNG		Total	
	Canada		Mexico		Japan		Volume	Average Price
	Volume	Average Price	Volume	Average Price	Volume	Average Price		
<b>1992 Total</b> .....	67,777	1.83	95,973	1.90	52,532	3.43	216,282	2.25
<b>1993 Total</b> .....	44,518	2.14	39,676	2.02	55,989	3.34	140,183	2.59
<b>1994 Total</b> .....	52,556	2.42	46,500	1.68	62,682	3.18	161,738	2.50
<b>1995 Total</b> .....	27,554	1.96	61,283	1.50	65,283	3.41	154,119	2.39
<b>1996</b>								
January .....	7,044	3.13	1,607	1.98	5,534	3.38	14,186	3.10
February .....	5,207	2.71	2,000	1.82	5,621	3.35	12,828	2.85
March .....	6,616	2.79	2,860	1.81	5,642	3.55	15,118	2.88
April .....	2,430	2.21	1,924	1.69	5,654	3.57	10,008	2.88
May .....	2,809	2.15	1,899	1.84	3,750	3.61	8,458	2.73
June .....	3,001	2.25	3,486	2.16	5,651	3.65	12,138	2.87
July .....	3,777	2.45	3,062	2.24	7,546	3.66	14,385	3.04
August .....	2,197	2.30	9,176	2.11	5,663	3.67	17,036	2.65
September .....	2,514	1.94	2,389	1.73	5,663	3.73	10,566	2.85
October .....	4,311	1.97	1,990	1.85	5,589	3.84	11,889	2.83
November .....	6,776	2.77	1,533	2.56	5,670	4.01	13,979	3.25
December .....	5,222	3.67	1,914	3.72	5,665	3.73	12,801	3.70
<b>Total</b> .....	51,905	2.67	33,840	2.11	67,648	3.65	153,393	2.97
<b>1997</b>								
January .....	4,193	4.08	2,220	4.07	5,604	4.25	12,017	4.16
February .....	5,169	3.02	1,666	2.32	5,596	4.29	12,431	3.50
March .....	9,117	2.06	1,493	1.55	5,675	4.22	16,285	2.76
April .....	5,167	1.78	3,046	1.83	5,660	4.06	13,873	2.72
May .....	4,108	2.09	2,177	1.96	3,812	3.98	10,097	2.77
June .....	3,162	2.28	2,579	2.14	3,786	4.22	9,527	3.01
July .....	3,257	2.14	3,122	2.17	3,756	3.66	10,135	2.71
August .....	3,820	2.16	6,282	2.37	7,532	3.62	17,634	2.85
September .....	3,128	2.37	6,070	2.60	3,767	3.72	12,965	2.87
October .....	2,450	2.85	4,182	2.87	5,675	3.58	12,307	3.19
November .....	5,597	3.10	1,782	3.15	5,691	3.66	13,070	3.35
December .....	7,318	2.58	3,650	2.29	5,631	3.58	16,599	2.86
<b>Total</b> .....	56,486	2.52	38,269	2.46	62,187	3.90	156,942	3.05
<b>1998</b>								
January .....	<sup>E</sup> 5,122	NA	<sup>E</sup> 3,205	NA	7,446	NA	<sup>E</sup> 15,773	NA
February .....	<sup>E</sup> 4,726	NA	<sup>E</sup> 2,912	NA	3,726	NA	<sup>E</sup> 11,364	NA
March .....	<sup>E</sup> 5,122	NA	<sup>E</sup> 3,205	NA	7,435	NA	<sup>E</sup> 15,762	NA
April .....	<sup>E</sup> 4,957	NA	<sup>E</sup> 3,100	NA	5,702	NA	<sup>E</sup> 13,759	NA
<b>1998 YTD</b> .....	<sup>E</sup> 19,927	NA	<sup>E</sup> 12,422	NA	24,309	NA	<sup>E</sup> 56,658	NA
<b>1997 YTD</b> .....	23,646	2.57	8,425	2.47	22,536	4.20	54,607	3.23
<b>1996 YTD</b> .....	21,297	2.82	8,390	1.82	22,452	3.46	52,139	2.93

<sup>E</sup> = Estimated Data.

NA = Not Available.

Sources: 1991-1994: Energy Information Administration, Form FPC-14, "Annual Report for Importers and Exporters of Natural Gas." January 1995 through the current month (except estimates): Office of Fossil Energy, U.S. Department of Energy, *Natural Gas Imports and Exports*. Estimated pipeline data (shown with an "E") are taken from data from the National Energy Board of Canada plus EIA estimates. LNG data: Industry reports.

**Table 7. Marketed Production of Natural Gas, by State, 1992-1998**  
(Million Cubic Feet)

Year and Month	Alabama <sup>b</sup>	Alaska	Arizona	California	Colorado	Florida	Kansas
<b>1992 Total</b> .....	355,099	443,597	771	365,632	323,041	6,657	658,007
<b>1993 Total</b> .....	388,024	430,350	597	315,851	400,985	7,085	686,347
<b>1994 Total</b> .....	515,272	555,402	752	309,427	453,207	7,486	712,730
<b>1995 Total</b> .....	519,661	469,550	558	279,555	523,084	6,463	721,436
<b>1996</b>							
January .....	45,653	44,655	41	20,714	48,619	518	62,976
February .....	42,668	40,433	42	22,910	45,504	493	62,683
March .....	45,334	43,738	45	24,686	47,843	460	63,027
April .....	43,868	39,694	36	23,988	45,293	456	60,858
May .....	45,160	36,348	39	24,091	46,893	483	62,194
June .....	43,319	37,334	45	23,281	45,212	503	56,318
July .....	43,257	37,272	30	24,495	45,570	500	57,095
August .....	43,873	37,239	43	24,547	51,269	540	55,144
September .....	42,834	38,039	31	23,826	45,437	537	55,563
October .....	42,200	41,204	34	24,261	50,245	468	57,589
November .....	45,395	40,706	37	24,493	49,824	517	58,460
December .....	47,278	44,166	40	25,203	50,363	531	60,890
<b>Total</b> .....	530,841	480,828	463	286,494	572,071	6,006	712,796
<b>1997</b>							
January .....	32,136	45,409	46	24,427	47,843	525	60,197
February .....	29,307	40,017	41	23,877	47,967	510	54,234
March .....	32,291	43,559	42	23,879	52,372	607	60,099
April .....	32,077	39,267	39	23,223	48,571	552	57,085
May .....	31,326	35,821	36	23,690	48,444	538	61,661
June .....	30,137	37,634	28	23,507	44,744	448	57,731
July .....	31,331	35,680	31	23,981	50,319	512	58,234
August .....	30,914	36,425	30	23,831	52,235	503	53,374
September .....	33,496	34,854	29	23,792	50,425	517	49,658
October .....	34,689	39,929	34	24,490	51,450	450	53,815
November .....	33,848	41,052	57	27,505	45,507	437	54,152
December .....	33,386	44,965	39	24,896	55,769	489	<sup>E</sup> 58,413
<b>Total</b> .....	384,937	474,612	451	291,098	595,647	6,087	<sup>E</sup> 678,654
<b>1998</b>							
January .....	32,739	43,715	43	24,810	53,025	479	<sup>R</sup> 53,834
February .....	29,230	<sup>E</sup> 38,591	42	21,719	<sup>E</sup> 49,727	436	<sup>E</sup> 51,029
<b>1998 YTD</b> .....	61,969	<sup>E</sup> 82,306	84	46,529	<sup>E</sup> 102,751	914	<sup>E</sup> 104,863
<b>1997 YTD</b> .....	61,442	85,425	87	48,305	95,811	1,034	114,432
<b>1996 YTD</b> .....	88,322	85,088	83	43,624	94,123	1,011	125,659

See footnotes at end of table.

**Table 7. Marketed Production of Natural Gas, by State, 1992-1998**

(Million Cubic Feet) — Continued

Year and Month	Louisiana <sup>b</sup>	Michigan	Mississippi	Montana	New Mexico	North Dakota	Oklahoma
<b>1992 Total</b> .....	4,914,300	194,815	91,697	53,867	1,268,863	54,883	2,017,356
<b>1993 Total</b> .....	4,991,138	204,635	80,695	54,528	1,409,429	59,851	2,049,942
<b>1994 Total</b> .....	5,169,705	222,657	63,448	50,416	1,557,689	57,805	1,934,864
<b>1995 Total</b> .....	5,108,366	238,203	95,533	50,264	1,625,837	49,468	1,811,734
<b>1996</b>							
January .....	437,274	21,912	8,089	4,503	135,594	4,276	143,693
February .....	412,611	18,686	7,386	4,266	126,370	3,880	139,115
March .....	446,371	11,208	8,385	4,443	138,091	4,164	131,701
April .....	436,014	32,072	8,225	4,098	132,572	4,122	147,949
May .....	451,148	18,021	9,026	4,244	138,946	4,273	149,425
June .....	434,668	23,572	8,983	3,496	131,778	3,990	143,675
July .....	449,052	27,119	9,335	3,603	125,193	4,047	146,451
August .....	449,461	23,261	9,193	4,050	126,967	4,096	148,463
September .....	431,768	20,208	8,641	4,172	122,040	4,185	143,302
October .....	421,252	20,374	8,996	4,668	123,570	4,246	150,322
November .....	427,566	16,081	8,487	4,521	124,377	4,216	146,828
December .....	443,563	13,227	8,518	4,933	128,590	4,178	143,965
<b>Total</b> .....	5,240,747	245,740	103,263	50,996	1,554,087	49,674	1,734,887
<b>1997</b>							
January .....	466,044	35,849	8,089	4,638	125,382	4,035	144,608
February .....	425,451	17,314	7,807	4,380	125,445	3,921	134,742
March .....	<sup>E</sup> 470,994	25,435	8,470	4,608	124,026	4,313	146,588
April .....	<sup>E</sup> 458,943	13,281	8,120	4,320	123,657	4,176	136,080
May .....	<sup>E</sup> 469,736	40,848	8,611	4,166	122,869	4,542	141,818
June .....	<sup>R</sup> 461,455	19,934	8,893	3,792	123,509	4,341	137,044
July .....	<sup>E</sup> 468,677	41,068	8,636	4,080	123,507	4,420	143,141
August .....	<sup>E</sup> 469,613	19,081	9,626	4,172	123,966	4,454	146,381
September .....	<sup>R</sup> 461,975	<sup>E</sup> 19,546	9,162	<sup>E</sup> 4,348	124,586	4,276	141,645
October .....	<sup>R</sup> 458,564	20,966	10,084	<sup>E</sup> 4,959	124,710	4,507	148,583
November .....	<sup>R</sup> 457,192	26,661	9,683	<sup>E</sup> 4,994	<sup>E</sup> 125,632	4,434	146,638
December .....	460,418	30,610	9,955	<sup>E</sup> 5,260	<sup>E</sup> 129,777	4,634	145,859
<b>Total</b> .....	<sup>RE</sup> 5,529,062	<sup>E</sup> 310,591	107,137	<sup>E</sup> 53,718	<sup>E</sup> 1,497,069	52,053	1,713,127
<b>1998</b>							
January .....	463,097	<sup>R</sup> 28,439	9,639	<sup>E</sup> 5,173	<sup>R</sup> 142,312	4,623	145,522
February .....	422,324	28,259	8,574	<sup>E</sup> 4,754	142,383	4,020	134,651
<b>1998 YTD</b> .....	885,421	56,698	18,214	<sup>E</sup> 9,926	284,695	8,642	280,173
<b>1997 YTD</b> .....	891,495	53,162	15,896	9,018	250,827	7,956	279,350
<b>1996 YTD</b> .....	849,884	40,598	15,475	8,768	261,964	8,156	282,808

See footnotes at end of table.

**Table 7. Marketed Production of Natural Gas, by State, 1992-1998**  
(Million Cubic Feet) — Continued

Year and Month	Oregon	Texas <sup>c</sup>	Utah	Wyoming	Other <sup>a</sup> States	U.S. Total
<b>1992 Total</b> .....	2,580	6,145,862	171,293	842,576	800,913	18,711,808
<b>1993 Total</b> .....	4,003	6,249,624	225,401	634,957	788,472	18,981,915
<b>1994 Total</b> .....	3,221	6,353,844	270,858	696,018	774,724	19,709,525
<b>1995 Total</b> .....	1,923	6,330,048	241,290	673,775	759,728	19,506,474
<b>1996</b>						
January .....	120	545,658	19,998	58,691	69,638	1,672,623
February .....	75	512,557	18,027	56,037	66,726	1,580,472
March .....	105	552,700	21,650	57,270	72,373	1,673,596
April .....	121	529,015	20,864	54,662	65,643	1,649,552
May .....	140	547,843	21,035	52,805	67,061	1,679,176
June .....	132	533,168	20,759	59,346	64,752	1,634,329
July .....	146	557,986	20,573	55,519	64,500	1,671,743
August .....	117	550,499	21,137	54,567	66,523	1,670,989
September .....	132	529,524	21,589	51,949	65,361	1,609,140
October .....	133	543,264	22,152	53,649	69,163	1,637,792
November .....	113	517,147	21,606	53,990	70,997	1,615,362
December .....	102	529,659	21,376	57,551	71,875	1,656,019
<b>Total</b> .....	1,439	6,449,022	250,767	666,036	814,612	19,750,793
<b>1997</b>						
January .....	105	560,683	21,782	53,272	<sup>E</sup> 69,157	<sup>E</sup> 1,704,228
February .....	98	509,089	19,115	45,143	<sup>E</sup> 64,219	<sup>E</sup> 1,552,675
March .....	101	560,042	21,912	62,872	<sup>E</sup> 68,518	<sup>E</sup> 1,710,728
April .....	102	531,761	19,570	60,661	<sup>E</sup> 64,329	<sup>E</sup> 1,625,816
May .....	102	549,243	22,053	62,147	<sup>E</sup> 64,899	<sup>E</sup> 1,692,549
June .....	97	527,306	19,815	55,384	<sup>E</sup> 64,227	<sup>RE</sup> 1,620,026
July .....	98	533,930	21,711	60,873	<sup>E</sup> 64,033	<sup>E</sup> 1,674,262
August .....	99	539,321	21,024	<sup>E</sup> 62,134	<sup>E</sup> 65,381	<sup>E</sup> 1,662,565
September .....	86	520,843	22,007	60,378	<sup>E</sup> 63,629	<sup>RE</sup> 1,625,253
October .....	97	535,219	23,006	66,373	<sup>E</sup> 67,561	<sup>RE</sup> 1,669,486
November .....	91	521,531	22,840	63,949	<sup>E</sup> 67,586	<sup>RE</sup> 1,653,789
December .....	96	542,516	22,307	<sup>E</sup> 66,746	<sup>E</sup> 72,224	<sup>E</sup> 1,708,357
<b>Total</b> .....	1,173	6,431,484	257,139	<sup>E</sup> 719,932	<sup>E</sup> 795,764	<sup>RE</sup> 19,899,735
<b>1998</b>						
January .....	90	542,462	<sup>R</sup> 21,826	66,074	<sup>E</sup> 70,408	<sup>RE</sup> 1,708,309
February .....	79	491,530	<sup>E</sup> 20,055	53,970	<sup>E</sup> 65,555	<sup>E</sup> 1,566,928
<b>1998 YTD</b> .....	169	1,033,992	<sup>E</sup> 41,881	120,044	<sup>E</sup> 135,963	<sup>E</sup> 3,275,237
<b>1997 YTD</b> .....	203	1,069,772	40,897	98,415	<sup>E</sup> 133,376	<sup>E</sup> 3,256,903
<b>1996 YTD</b> .....	196	1,058,216	38,025	114,728	136,364	3,253,095

<sup>a</sup> Includes Arkansas, Illinois, Indiana, Kentucky, Maryland, Missouri, Nebraska, Nevada, New York, Ohio, Pennsylvania, South Dakota, Tennessee, Virginia and West Virginia. The 1997 monthly values for these States are estimated.

<sup>b</sup> All data for 1991 through 1996 include Federal Offshore production. For 1997 and 1998, data for Alabama exclude Federal Offshore production and data for Louisiana include both the Louisiana and Alabama portions of Federal Offshore production.

<sup>c</sup> Federal offshore production volumes are included.

<sup>R</sup> = Revised Data.

<sup>E</sup> = Estimated Data.

<sup>RE</sup> = Revised Estimated Data.

Notes: Data for 1991 through 1996 are final. All other data are preliminary unless otherwise indicated. Totals may not equal sum of components because of independent rounding. See Appendix A, Explanatory Notes 1 and 3 for discussion of computation procedures and revision policy.

Sources: 1991-1996: Energy Information Administration (EIA), *Natural Gas Annual 1996*. 1997 through current month: Form EIA-895, "Monthly Quantity of Natural Gas Report," Minerals Management Service reports, and EIA computations.

**Table 8. Gross Withdrawals and Marketed Production of Natural Gas by State,  
February 1998**  
(Million Cubic Feet)

State	Gross Withdrawals			Repressuring	Nonhydro- carbon Gases Removed <sup>a</sup>	Vented and Flared	Marketed Production
	From Gas Wells	From Oil Wells	Total				
Alabama .....	31,839	714	32,553	1,096	2,095	133	29,230
Alaska .....	<sup>E</sup> 15,034	<sup>E</sup> 255,753	<sup>E</sup> 270,786	<sup>E</sup> 231,714	0	<sup>E</sup> 481	<sup>E</sup> 38,591
Arizona .....	40	1	42	0	0	0	42
California .....	5,642	23,586	29,228	7,306	137	67	21,719
Colorado .....	<sup>E</sup> 44,047	<sup>E</sup> 6,323	<sup>E</sup> 50,370	<sup>E</sup> 557	0	<sup>E</sup> 87	<sup>E</sup> 49,727
Florida .....	0	492	492	0	56	0	436
Kansas .....	<sup>E</sup> 47,074	<sup>E</sup> 4,093	<sup>E</sup> 51,167	<sup>E</sup> 87	0	<sup>E</sup> 51	<sup>E</sup> 51,029
Louisiana .....	371,642	55,869	427,511	3,353	0	1,834	422,324
Michigan .....	27,000	1,750	28,750	203	0	288	28,259
Mississippi .....	9,717	558	10,275	802	676	222	8,574
Montana .....	<sup>E</sup> 4,221	<sup>E</sup> 574	<sup>E</sup> 4,795	<sup>E</sup> 6	0	<sup>E</sup> 36	<sup>E</sup> 4,754
New Mexico .....	134,400	23,298	157,697	960	14,098	256	142,383
North Dakota .....	1,417	2,913	4,330	0	4	306	4,020
Oklahoma .....	122,542	12,109	134,651	0	0	0	134,651
Oregon .....	93	0	93	3	11	0	79
Texas .....	435,820	105,456	541,276	35,028	12,440	2,277	491,530
Utah .....	<sup>E</sup> 17,313	<sup>E</sup> 3,620	<sup>E</sup> 20,934	<sup>E</sup> 43	0	<sup>E</sup> 835	<sup>E</sup> 20,055
Wyoming .....	82,841	4,725	87,566	10,609	11,486	11,501	53,970
Other States .....	<sup>E</sup> 61,958	<sup>E</sup> 4,468	<sup>E</sup> 66,425	<sup>E</sup> 191	0	<sup>E</sup> 679	<sup>E</sup> 65,555
<b>Total .....</b>	<sup>E</sup> 1,412,641	<sup>E</sup> 506,301	<sup>E</sup> 1,918,942	<sup>E</sup> 291,957	<sup>E</sup> 41,004	<sup>E</sup> 19,052	<sup>E</sup> 1,566,928

<sup>a</sup> See Appendix A, Explanatory Note 1, for a discussion of data on Nonhydrocarbon Gases Removed.

<sup>E</sup> = Estimated Data.

Notes: All monthly data are considered preliminary until publication of the *Natural Gas Annual* for that year. Totals may not equal sum of components because of independent rounding. See Appendix A, Explanatory Notes 1 and 3 for discussion of computation procedures and revision policy.

Source: Form EIA-895, "Monthly Quantity of Natural Gas Report."



**Table 9. Underground Natural Gas Storage - All Operators, 1992-1998**  
(Volumes in Billion Cubic Feet)

Year and Month	Natural Gas in Underground Storage at End of Period			Change In Working Gas from Same Period Previous Year		Storage Activity		
	Base Gas	Working Gas	Total <sup>b</sup>	Volume	Percent	Injections	Withdrawals	Net Withdrawals <sup>c</sup>
<b>1992 Total<sup>a</sup></b> .....	4,044	2,597	6,641	-227	-8.0	2,555	2,724	168
<b>1993 Total<sup>a</sup></b> .....	4,327	2,322	6,649	-275	-10.6	2,760	2,717	-43
<b>1994 Total<sup>a</sup></b> .....	4,360	2,606	6,966	284	12.2	2,796	2,508	-288
<b>1995 Total<sup>a</sup></b> .....	4,349	2,153	6,503	-453	3.1	2,566	2,974	408
<b>1996</b>								
January .....	4,354	1,462	5,817	-583	-28.5	49	749	700
February .....	4,349	1,021	5,369	-521	-33.8	97	544	447
March .....	4,290	758	5,048	-574	-43.1	80	403	323
April .....	4,312	854	5,166	-525	-38.1	227	112	-115
May .....	4,332	1,161	5,493	-507	-30.4	373	45	-328
June .....	4,341	1,529	5,870	-485	-24.1	410	35	-375
July .....	4,336	1,898	6,234	-404	-17.5	418	49	-370
August .....	4,332	2,245	6,577	-250	-10.0	400	54	-346
September .....	4,338	2,605	6,943	-197	-7.0	398	32	-366
October .....	4,335	2,810	7,145	-186	-6.2	276	73	-203
November .....	4,339	2,549	6,889	-179	-6.6	90	354	264
December .....	4,341	2,173	6,513	19	0.9	86	461	374
<b>Total</b> .....	—	—	—	—	—	2,906	2,911	6
<b>1997</b>								
January .....	4,348	1,496	5,844	34	2.3	69	752	684
February .....	4,342	1,140	5,482	120	11.7	55	413	358
March .....	4,346	991	5,337	233	30.7	131	285	155
April .....	4,342	1,051	5,393	197	23.1	205	146	-58
May .....	4,343	1,362	5,705	201	17.3	362	41	-321
June .....	4,357	1,730	6,087	201	13.2	405	41	-364
July .....	4,356	2,014	6,369	116	6.1	359	78	-281
August .....	4,357	2,336	6,693	92	4.1	378	56	-322
September .....	4,360	2,672	7,032	67	2.6	380	44	-336
October .....	4,358	2,886	7,244	75	2.7	295	84	-211
November .....	4,360	2,698	7,058	149	5.9	113	302	189
December .....	4,350	2,170	6,520	-2	-0.1	45	579	533
<b>Total</b> .....	—	—	—	—	—	2,796	2,823	27
<b>1998</b>								
January .....	4,344	1,711	6,055	215	14.4	68	534	466
February .....	4,338	1,418	5,756	278	24.4	74	373	299
March .....	4,339	1,184	5,523	193	19.5	136	377	241
April .....	4,336	1,381	5,718	330	31.4	277	78	-198
<b>May(STIFS)</b> .....	<sup>RE</sup> 4,336	<sup>E</sup> 1,806	<sup>RE</sup> 6,142	<sup>E</sup> 444	<sup>E</sup> 32.6	<sup>NA</sup>	<sup>NA</sup>	<sup>E</sup> -350
<b>June(STIFS)</b> .....	<sup>E</sup> 4,336	<sup>E</sup> 2,148	<sup>E</sup> 6,484	<sup>E</sup> 417	<sup>E</sup> 24.1	<sup>NA</sup>	<sup>NA</sup>	<sup>E</sup> -342

<sup>a</sup> Total as of December 31.

<sup>b</sup> Total underground storage capacity at the end of each calendar year (in billion cubic feet): 1991 - 7,993; 1992 - 7,932; 1993 - 7,989; 1994 - 8,043; 1995 - 7,927; and 1996 - 8,159.

<sup>c</sup> Negative numbers indicate the volume of injections in excess of withdrawals. Positive numbers indicate the volume of withdrawals in excess of injections.

<sup>E</sup> = Estimated Data.

<sup>RE</sup> = Revised Estimated Data.

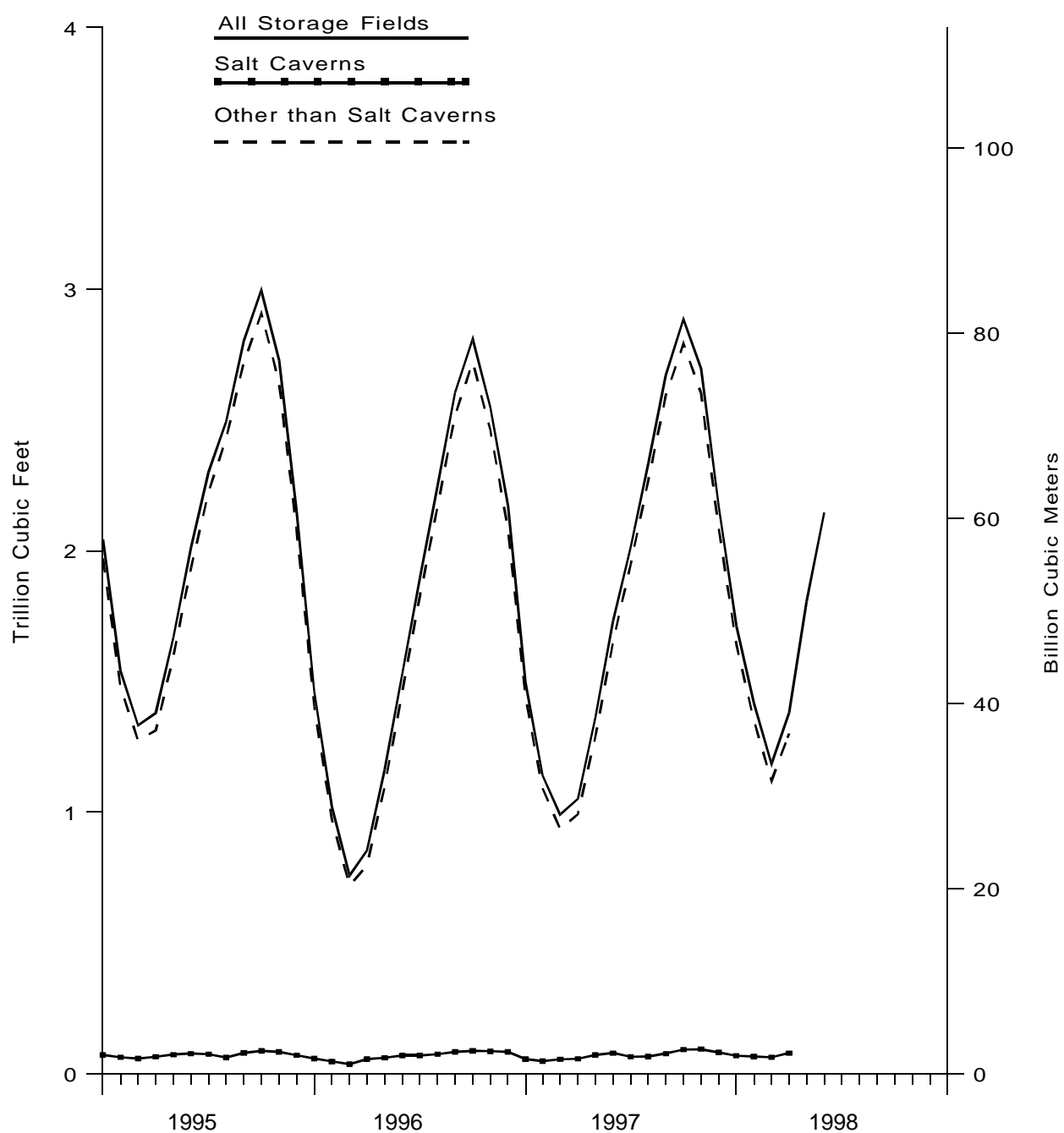
<sup>NA</sup> = Not Available.

— = Not Applicable.

Notes: Data for 1992 through 1996 are final. All other data are preliminary unless otherwise noted. Estimates for the most recent two months are derived from the Short-Term Integrated Forecasting System (STIFS). See Explanatory Note 7 of the *Natural Gas Monthly* for discussion of revision policy. Gas in storage at the end of a reporting period may not equal the quantity derived by adding or subtracting net injections or withdrawals during the period to the quantity of gas in storage at the beginning of the period. This is due to changes in the quantities of native gas included in base gas and/or losses in base gas due to migration from storage reservoirs. Totals may not equal sum of components because of independent rounding. Geographic coverage is the 50 States and the District of Columbia. In January 1995, 2 billion cubic feet was added to base gas for two new respondents. Positive net withdrawals indicate the volume of withdrawals in excess of injections. Negative net withdrawals indicate the volume of injections in excess of withdrawals.

Sources: Form EIA-191, "Monthly Underground Gas Storage Report," Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition," and STIFS.

Figure 5. Working Gas in Underground Natural Gas Storage in the United States, 1995-1998



Sources: Energy Information Administration, Form EIA-191, "Monthly Underground Gas Storage Report," and Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition."

**Table 10. Underground Natural Gas Storage - by Season, 1995-1998**  
(Volumes in Billion Cubic Feet)

Year, Season and Month	Natural Gas in Underground Storage at End of Period			Change In Working Gas from Same Period Previous Year		Storage Activity		
	Base Gas	Working Gas	Total	Volume	Percent	Injections	Withdrawals	Net Withdrawals <sup>a</sup>
<b>October 1995</b> .....	4,338	2,996	7,334	--	--	--	--	--
<b>1995-96 Heating Season</b>								
November .....	4,342	2,728	7,070	-249	-8.4	96	367	272
December .....	4,349	2,153	6,503	-453	-17.4	53	635	582
January .....	4,354	1,462	5,817	-583	-28.5	49	749	700
February .....	4,349	1,021	5,369	-521	-33.8	97	544	447
March .....	4,290	758	5,048	-574	-43.1	80	403	323
<b>Total</b> .....	--	--	--	--	--	375	2,698	2,323
<b>1996 Refill Season</b>								
April .....	4,312	854	5,166	-525	-38.1	227	112	-115
May .....	4,332	1,161	5,493	-507	-30.4	373	45	-328
June .....	4,341	1,529	5,870	-485	-24.1	410	35	-375
July .....	4,336	1,898	6,234	-404	-17.5	418	49	-370
August .....	4,332	2,245	6,577	-250	-10.0	400	54	-346
September .....	4,338	2,605	6,943	-197	-7.0	398	32	-366
October .....	4,335	2,810	7,145	-186	-6.2	276	73	-203
<b>Total</b> .....	--	--	--	--	--	2,502	401	-2,102
<b>1996-97 Heating Season</b>								
November .....	4,339	2,549	6,889	-179	-6.6	90	354	264
December .....	4,341	2,173	6,513	19	0.9	86	461	374
January .....	4,348	1,496	5,844	34	2.3	69	752	684
February .....	4,342	1,140	5,482	120	11.7	55	413	358
March .....	4,346	991	5,337	233	30.7	131	285	155
<b>Total</b> .....	--	--	--	--	--	431	2,266	1,835
<b>1997 Refill Season</b>								
April .....	4,342	1,051	5,393	197	23.1	205	146	-58
May .....	4,343	1,362	5,705	201	17.3	362	41	-321
June .....	4,357	1,730	6,087	201	13.2	405	41	-364
July .....	4,356	2,014	6,369	116	6.1	359	78	-281
August .....	4,357	2,336	6,693	92	4.1	378	56	-322
September .....	4,360	2,672	7,032	67	2.6	380	44	-336
October .....	4,358	2,886	7,244	75	2.7	295	84	-211
<b>Total</b> .....	--	--	--	--	--	2,384	491	-1,893
<b>1997-98 Heating Season</b>								
November .....	4,360	2,698	7,058	149	5.9	113	302	189
December .....	4,350	2,170	6,520	-2	-0.1	45	579	533
January .....	4,344	1,711	6,055	215	14.4	68	534	466
February .....	4,338	1,418	5,756	278	24.4	74	373	299
March .....	4,339	1,184	5,523	193	19.5	136	377	241
<b>Total</b> .....	--	--	--	--	--	436	2,166	1,730
<b>1998 Refill Season</b>								
April .....	4,336	1,381	5,718	330	31.4	277	78	-198
<b>May(STIFS)</b> .....	<sup>RE</sup> 4,336	<sup>E</sup> 1,806	<sup>RE</sup> 6,142	<sup>E</sup> 444	<sup>E</sup> 32.6	<sup>NA</sup>	<sup>NA</sup>	<sup>E</sup> -350
<b>June(STIFS)</b> .....	<sup>E</sup> 4,336	<sup>E</sup> 2,148	<sup>E</sup> 6,484	<sup>E</sup> 417	<sup>E</sup> 24.1	<sup>NA</sup>	<sup>NA</sup>	<sup>E</sup> -342

<sup>a</sup> Negative numbers indicate the volume of injections in excess of withdrawals. Positive numbers indicate the volume of withdrawals in excess of injections.

<sup>E</sup> = Estimated Data.

<sup>RE</sup> = Revised Estimated Data.

<sup>NA</sup> = Not Available.

Notes: Data for 1995 and 1996 are final. All other data are preliminary unless otherwise noted. Estimates for the most recent two months are derived from the Short-Term Integrated Forecasting System (STIFS). See Explanatory Note 7 of the *Natural Gas Monthly* for discussion of revision policy. Gas in storage at the end of a reporting period may not equal the quantity derived by adding or subtracting net injections or withdrawals during the period to the quantity of gas in storage at the beginning of the period. This is due to changes in the quantities of native gas included in base gas and/or losses in base gas due to migration from storage reservoirs. Totals may not equal sum of components because of independent rounding. Geographic coverage is the 50 States and the District of Columbia. In January 1995, 2 billion cubic feet was added to base gas for two new respondents. Positive net withdrawals indicate the volume of withdrawals in excess of injections. Negative net withdrawals indicate the volume of injections in excess of withdrawals.

Sources: Form EIA-191, "Underground Natural Gas Storage Report," Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition," and STIFS.

**Table 11. Underground Natural Gas Storage - Salt Cavern Storage Fields, 1996-1998**  
(Volumes in Billion Cubic Feet)

Year and Month	Natural Gas in Salt Cavern Underground Storage at End of Period			Change in Working Gas from Same Period Previous Year		Storage Activity		
	Base Gas	Working Gas	Total <sup>a</sup>	Volume	Percent	Injections	Withdrawals	Net Withdrawals
<b>1996</b>								
January .....	63	59	122	-14	-19.3	23	41	17
February .....	63	48	111	-17	-26.2	23	33	10
March .....	63	38	101	-21	-35.2	21	32	11
April .....	63	57	120	-9	-13.7	30	10	-20
May .....	63	62	126	-11	-15.1	19	13	-6
June .....	63	71	135	-7	-8.9	21	12	-9
July .....	60	71	131	-5	-6.7	20	14	-6
August .....	60	76	136	13	20.5	21	16	-5
September .....	60	85	145	4	5.0	23	13	-9
October .....	60	88	148	0	0.4	17	14	-3
November .....	64	87	151	3	4.0	16	20	5
December .....	64	85	149	14	18.8	25	28	2
<b>Total .....</b>	—	—	—	—	—	258	246	-13
<b>1997</b>								
January .....	65	57	122	-2	-3.1	21	50	30
February .....	59	49	109	2	4.0	15	23	8
March .....	65	56	121	18	47.3	22	16	-6
April .....	65	58	123	1	1.8	21	19	-3
May .....	65	73	138	11	17.3	27	13	-14
June .....	66	80	145	8	11.7	22	15	-7
July .....	65	66	131	-5	-7.5	15	29	14
August .....	65	67	132	-9	-12.4	23	22	-1
September .....	65	78	143	-7	-8.7	26	14	-12
October .....	66	93	159	5	5.6	30	14	-16
November .....	67	95	162	8	9.1	25	23	-2
December .....	67	82	150	-3	-3.1	18	31	12
<b>Total .....</b>	—	—	—	—	—	266	270	4
<b>1998</b>								
January .....	66	70	136	13	22.4	17	31	14
February .....	65	67	132	18	35.9	17	21	3
March .....	68	64	132	8	14.4	23	28	6
April .....	68	80	148	22	37.9	29	11	-17

<sup>a</sup> Total underground storage capacity at the end of each calendar year (in billion cubic feet): 1995 - 5,314; and 1996 - 7,952.

— = Not Applicable.

Notes: Data for 1995 and 1996 are final. All other data are preliminary unless otherwise noted. See Explanatory Note 7 of the *Natural Gas Monthly* for discussion of the reporting of underground storage information. Gas in storage at the end of a reporting period may not equal the quantity derived by adding or subtracting net injections or withdrawals during the period to the quantity of gas in storage at the beginning of the period. This is due to changes in the quantities of native gas included in base gas and/or losses in base gas due to migration from storage reservoirs. Totals may not equal sum of components because of independent rounding. Geographic coverage is the 50 States and the District of Columbia. Positive net withdrawals indicate the volume of withdrawals in excess of injections. Negative net withdrawals indicate the volume of injections in excess of withdrawals.

Sources: Form EIA-191, "Monthly Underground Gas Storage Report," and Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition."

**Table 12. Underground Natural Gas Storage - Storage Fields Other than Salt Caverns, 1996-1998**  
(Volumes in Billion Cubic Feet)

Year and Month	Natural Gas in Non-Salt Cavern Underground Storage at End of Period			Change in Working Gas from Same Period Previous Year		Storage Activity		
	Base Gas	Working Gas	Total <sup>a</sup>	Volume	Percent	Injections	Withdrawals	Net Withdrawals
<b>1996</b>								
January .....	4,291	1,404	5,695	-569	-28.8	26	708	682
February .....	4,286	973	5,259	-504	-34.1	73	510	437
March .....	4,228	720	4,948	-553	-43.4	59	371	312
April .....	4,249	797	5,046	-516	-39.3	197	102	-95
May .....	4,268	1,099	5,367	-496	-31.1	354	32	-322
June .....	4,277	1,458	5,735	-478	-24.7	390	23	-366
July .....	4,276	1,827	6,103	-399	-17.9	398	34	-363
August .....	4,272	2,169	6,441	-263	-10.8	380	39	-341
September .....	4,277	2,520	6,797	-201	-7.4	376	19	-357
October .....	4,275	2,722	6,997	-186	-6.4	259	59	-200
November .....	4,275	2,462	6,737	-183	-6.9	75	333	259
December .....	4,277	2,087	6,364	6	0.3	61	433	372
<b>Total .....</b>	—	—	—	—	—	2,647	2,665	18
<b>1997</b>								
January .....	4,283	1,439	5,722	36	2.5	48	702	654
February .....	4,283	1,091	5,374	118	12.1	40	390	350
March .....	4,281	935	5,216	215	29.9	109	270	161
April .....	4,277	993	5,270	196	24.6	184	128	-56
May .....	4,278	1,289	5,567	190	17.3	335	28	-307
June .....	4,291	1,651	5,942	193	13.2	383	26	-357
July .....	4,290	1,948	6,238	121	6.6	344	49	-295
August .....	4,291	2,270	6,561	101	4.7	355	34	-321
September .....	4,295	2,595	6,890	75	3.0	354	30	-324
October .....	4,292	2,793	7,085	70	2.6	265	70	-195
November .....	4,293	2,603	6,897	141	5.7	88	279	191
December .....	4,283	2,088	6,371	0	0.0	27	548	521
<b>Total .....</b>	—	—	—	—	—	2,530	2,553	23
<b>1998</b>								
January .....	4,278	1,641	5,920	202	14.0	51	504	453
February .....	4,273	1,351	5,624	260	23.9	56	352	296
March .....	4,271	1,120	5,391	185	19.8	113	349	236
April .....	4,269	1,301	5,570	308	31.0	248	67	-181

<sup>a</sup> Total underground storage capacity at the end of each calendar year (in billion cubic feet): 1995 - 5,314; and 1996 - 7,952.

— = Not Applicable.

Notes: Data for 1995 and 1996 are final. All other data are preliminary unless otherwise noted. See Explanatory Note 7 of the *Natural Gas Monthly* for discussion of the reporting of underground storage information. Gas in storage at the end of a reporting period may not equal the quantity derived by adding or subtracting net injections or withdrawals during the period to the quantity of gas in storage at the beginning of the period. This is due to changes in the quantities of native gas included in base gas and/or losses in base gas due to migration from storage reservoirs. Totals may not equal sum of components because of independent rounding. Geographic coverage is the 50 States and the District of Columbia. Positive net withdrawals indicate the volume of withdrawals in excess of injections. Negative net withdrawals indicate the volume of injections in excess of withdrawals.

Sources: Form EIA-191, "Monthly Underground Gas Storage Report," and Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition."

**Table 13. Net Withdrawals from Underground Storage, by State, 1996-1998**  
(Volumes in Million Cubic Feet)

State	1998				1997		
	April	March	February	January	Total	December	November
Alabama .....	-245	248	187	396	-162	243	243
Arkansas .....	-471	1,039	875	1,057	251	1,526	651
California .....	-10,710	-2,257	26,766	29,805	14,425	58,445	2,749
Colorado .....	3,534	3,928	6,337	3,510	384	5,111	2,545
Illinois .....	-293	28,186	36,082	58,036	-11,140	45,338	2,735
Indiana .....	917	4,249	3,322	4,144	365	4,036	-925
Iowa .....	348	6,692	5,335	18,905	-6,207	16,932	554
Kansas .....	-6,954	14,438	8,180	15,103	-12,416	12,485	8,499
Kentucky .....	-2,480	7,768	9,981	9,559	3,182	10,772	4,043
Louisiana .....	-21,191	7,400	5,164	21,574	-7,721	43,862	21,196
Maryland .....	-1,127	1,631	2,745	3,236	-148	1,312	53
Michigan .....	-31,779	55,388	45,886	84,170	-702	77,495	53,120
Minnesota .....	159	416	203	444	-303	5	4
Mississippi .....	-2,757	2,405	4,251	7,431	3,703	8,471	1,122
Missouri .....	48	423	10	458	-453	228	-207
Montana .....	224	3,017	2,554	4,421	11,955	3,168	2,753
Nebraska .....	754	1,090	355	376	-1,545	944	126
New Mexico .....	287	658	-130	-412	2,065	2,500	25
New York .....	-3,673	7,977	9,548	11,582	-131	10,285	4,803
Ohio .....	-14,906	28,619	34,023	34,810	-6,964	40,390	15,498
Oklahoma .....	-21,343	7,159	737	21,199	-10,892	24,727	13,548
Oregon .....	81	934	1,253	540	-1,019	1,036	-250
Pennsylvania .....	-32,842	38,957	49,786	57,788	28,252	53,756	25,976
Texas .....	-40,395	-9,062	-3,341	35,935	11,896	54,705	19,105
Utah .....	-596	1,199	6,783	7,613	-7,571	13,169	2,721
Washington .....	1,544	3,329	4,131	-58	-904	3,177	90
West Virginia .....	-14,607	22,818	36,285	30,647	17,744	36,345	6,670
Wyoming .....	89	2,611	2,059	3,990	963	3,015	1,918
<b>AGA Regions</b>							
Producing .....	-92,824	24,038	15,735	101,887	-13,114	148,276	64,145
Eastern Consuming .....	-99,884	204,045	233,545	314,105	22,091	298,078	112,688
Western Consuming .....	-5,674	13,177	50,086	50,266	17,929	87,127	12,530
<b>Total</b> .....	-198,382	241,260	299,366	466,258	26,906	533,481	189,363

See footnotes at end of table.

**Table 13. Net Withdrawals from Underground Storage, by State, 1996-1998**

(Volumes in Million Cubic Feet) — Continued

State	1997						
	October	September	August	July	June	May	April
Alabama .....	-251	-262	-286	-43	-93	-271	-130
Arkansas .....	271	-1,048	-1,234	-1,472	-1,340	-608	178
California .....	-11,834	-6,817	-8,032	-11,406	-23,191	-24,048	-19,220
Colorado .....	458	-5,141	-4,488	-5,540	-5,257	-5,328	5,569
Illinois .....	-28,914	-36,161	-35,848	-32,648	-28,038	-23,880	-546
Indiana .....	-3,135	-4,603	-3,757	-3,309	-1,914	-110	1,444
Iowa .....	-8,358	-12,762	-10,938	-8,777	-8,361	-3,473	1,627
Kansas .....	-7,912	-13,678	-11,439	-3,703	-12,195	-9,699	-1,605
Kentucky .....	-2,925	-7,983	-6,520	-7,391	-8,991	-7,821	-343
Louisiana .....	-23,999	-29,222	-15,259	-11,713	-19,702	-19,500	-3,923
Maryland .....	-2,283	-2,766	-2,292	-1,497	-1,657	-1,590	133
Michigan .....	-32,347	-64,478	-72,202	-74,634	-72,604	-46,126	-13,752
Minnesota .....	0	-130	-137	-321	-312	-273	-31
Mississippi .....	-2,145	-5,204	-3,115	709	-3,812	-5,552	442
Missouri .....	-215	-240	-379	-433	-112	-1,200	56
Montana .....	1,015	-1,490	-2,339	-2,710	-1,633	-846	1,810
Nebraska .....	-66	-1,091	-964	-75	-797	-708	-43
New Mexico .....	-1,305	-853	-328	587	-534	-1,228	583
New York .....	-2,343	-6,626	-11,544	-11,628	-10,571	-7,770	-1,700
Ohio .....	-8,799	-23,418	-32,053	-34,093	-37,335	-34,081	-1,385
Oklahoma .....	-19,571	-14,433	-8,317	-864	-8,028	-18,258	-7,130
Oregon .....	-93	-391	-1,123	-1,240	-1,602	-1,239	543
Pennsylvania .....	-16,030	-48,951	-44,991	-41,099	-49,619	-44,272	-3,306
Texas .....	-30,561	-21,242	-13,220	10,013	-20,500	-27,751	-17,395
Utah .....	-1,301	-3,235	-5,284	-8,117	-7,950	-4,255	-2,150
Washington .....	707	-2,267	990	-490	-3,766	-5,880	-66
West Virginia .....	-8,103	-18,997	-24,020	-26,065	-31,691	-23,964	1,715
Wyoming .....	-577	-2,424	-2,712	-3,393	-2,290	-1,119	127
<b>AGA Regions</b>							
Producing .....	-85,222	-85,680	-52,913	-6,442	-66,111	-82,596	-28,850
Eastern Consuming .....	-113,768	-228,337	-245,796	-241,693	-251,783	-195,265	-16,231
Western Consuming .....	-11,625	-21,894	-23,125	-33,218	-46,001	-42,987	-13,416
<b>Total</b> .....	-210,615	-335,912	-321,834	-281,353	-363,895	-320,849	-58,498

See footnotes at end of table.

**Table 13. Net Withdrawals from Underground Storage, by State, 1996-1998**  
(Volumes in Million Cubic Feet) — Continued

State	1997			1996			
	March	February	January	Total	December	November	October
Alabama .....	-25	184	531	-1,224	761	129	-117
Arkansas .....	342	1,006	1,978	64	644	562	-603
California .....	-441	19,742	38,477	51,292	14,985	-2,885	-6,393
Colorado .....	2,069	4,862	5,523	-1,004	2,923	92	-87
Illinois .....	23,189	39,774	63,858	-15,109	35,109	15,523	-28,103
Indiana .....	2,498	2,866	7,272	-1,801	3,290	-853	-2,715
Iowa .....	2,953	8,469	15,926	-1,229	18,020	5,502	-10,555
Kansas .....	4,096	9,102	13,633	12,118	12,290	12,828	-6,005
Kentucky .....	4,166	8,068	18,108	-7,530	8,039	4,853	-2,826
Louisiana .....	-18,817	21,080	48,276	10,964	32,273	29,327	-15,704
Maryland .....	1,903	2,662	5,873	24	958	1,424	-1,553
Michigan .....	53,314	71,108	120,403	-31,671	83,640	61,160	-49,100
Minnesota .....	188	117	588	-30	218	30	-35
Mississippi .....	-2,306	2,924	12,169	-12,758	4,658	5,707	-3,369
Missouri .....	1,174	-252	1,126	-48	76	306	-210
Montana .....	2,591	3,983	5,651	11,725	5,512	4,760	336
Nebraska .....	-241	504	867	-1,489	1,108	479	600
New Mexico .....	501	1,527	591	5,338	-823	607	482
New York .....	9,210	10,116	17,636	-13,367	8,151	6,347	-2,750
Ohio .....	21,557	28,120	58,636	-10,844	35,138	25,728	-13,648
Oklahoma .....	-8,092	7,912	27,616	22,961	20,970	17,468	-10,345
Oregon .....	920	1,078	1,341	783	1,240	552	170
Pennsylvania .....	50,263	52,298	94,228	-59,533	25,003	33,464	-15,621
Texas .....	-21,183	24,869	55,056	63,869	24,153	12,557	-22,072
Utah .....	-2,620	2,520	8,931	12,955	9,164	4,651	1,416
Washington .....	3,217	1,798	1,587	2,067	1,746	462	1,648
West Virginia .....	23,312	28,900	53,643	-35,844	21,644	19,884	-15,242
Wyoming .....	1,082	2,976	4,361	5,056	3,529	2,903	-272
<b>AGA Regions</b>							
Producing .....	-45,460	68,420	159,319	102,555	94,165	79,056	-57,617
Eastern Consuming .....	193,275	252,817	458,106	-179,663	240,936	173,946	-141,841
Western Consuming .....	7,006	37,076	66,459	82,844	39,316	10,566	-3,217
<b>Total</b> .....	<b>154,821</b>	<b>358,313</b>	<b>683,884</b>	<b>5,735</b>	<b>374,417</b>	<b>263,567</b>	<b>-202,675</b>

See footnotes at end of table.



**Table 13. Net Withdrawals from Underground Storage, by State, 1996-1998**  
(Volumes in Million Cubic Feet) — Continued

State	1996					
	September	August	July	June	May	April
Alabama .....	-440	-395	-205	-670	-367	-153
Arkansas .....	-1,153	-615	-744	-1,166	-1,302	-44
California .....	-6,822	15,439	7,028	-9,697	-23,523	-11,917
Colorado .....	-3,828	-3,722	-5,347	-5,035	-2,271	1,268
Illinois .....	-36,529	-35,172	-35,480	-32,122	-26,711	-3,200
Indiana .....	-3,911	-6,115	-4,278	-2,398	-178	948
Iowa .....	-12,536	-13,166	-12,393	-7,677	-1,640	1,980
Kansas .....	-8,532	-8,265	-7,537	-12,192	-7,892	-5,779
Kentucky .....	-8,590	-10,071	-13,358	-14,231	-6,224	380
Louisiana .....	-33,463	-32,218	-29,380	-16,986	-11,703	-2,727
Maryland .....	-1,677	-1,845	-1,887	-2,621	-2,154	212
Michigan .....	-81,220	-82,649	-80,355	-78,794	-58,040	-14,063
Minnesota .....	-202	-213	-287	-294	-366	-90
Mississippi .....	-7,330	-7,868	-8,061	-6,662	-2,502	-4,083
Missouri .....	-204	-206	-240	-261	-1,319	296
Montana .....	-3,519	-3,501	-3,261	-3,577	782	647
Nebraska .....	-785	-1,346	-1,193	-1,924	-1,617	-303
New Mexico .....	-1,873	363	811	48	21	519
New York .....	-7,327	-12,585	-12,964	-12,079	-13,349	-2,711
Ohio .....	-23,807	-29,581	-36,092	-37,165	-30,055	-8,729
Oklahoma .....	-18,814	-14,973	-8,211	-10,949	-19,131	-4,435
Oregon .....	-121	-509	-1,318	-1,365	-841	132
Pennsylvania .....	-37,711	-52,038	-69,480	-62,061	-46,338	-22,497
Texas .....	-34,225	-18,108	-2,670	-13,902	-28,071	-22,764
Utah .....	-2,204	-3,884	-6,821	-6,742	-5,533	-188
Washington .....	-597	-1,965	-935	-3,317	-1,973	-356
West Virginia .....	-28,009	-19,913	-32,686	-29,535	-32,767	-16,242
Wyoming .....	-613	-771	-2,160	-1,760	-2,704	-644
<b>AGA Regions</b>						
Producing .....	-105,390	-81,685	-55,791	-61,809	-70,578	-39,312
Eastern Consuming .....	-242,746	-265,082	-300,612	-281,537	-220,759	-64,083
Western Consuming .....	-17,907	874	-13,101	-31,788	-36,431	-11,149
<b>Total</b> .....	<b>-366,042</b>	<b>-345,894</b>	<b>-369,504</b>	<b>-375,133</b>	<b>-327,768</b>	<b>-114,544</b>

Notes: This table contains total net withdrawals for each State with natural gas storage facilities. Positive numbers indicate the volume of withdrawals in excess of injections. Negative values indicate the volume of injections in excess of withdrawals. Data through 1996 are final. All other data are preliminary at this time and are not considered final until publication of the *Natural Gas Annual* for that year. The American Gas Association (AGA) publishes weekly estimates of working gas levels in underground storage by region. AGA defines the Producing Region as Texas, Oklahoma, Kansas, New Mexico, Louisiana, Arkansas, and Mississippi; the Eastern Consuming Region as all States east of the Mississippi River less Mississippi, plus Iowa, Nebraska and Missouri; the Western Consuming Region as all States west of the Mississippi River less the Producing Region and Iowa, Nebraska and Missouri.

Source: Form EIA-191, "Monthly Underground Gas Storage Report."

**Table 14. Activities of Underground Natural Gas Storage Operators, by State,  
April 1998**  
(Volumes in Million Cubic Feet)

State	Total Storage Capacity	Natural Gas in Underground Storage at End of Period			Change in Working Gas from Same Period Previous Year		Storage Activity	
		Base Gas	Working Gas	Total	Volume	Percent	Injections	Withdrawals
Alabama .....	3,280	1,190	582	1,772	24	4.3	245	0
Arkansas .....	31,871	11,068	3,146	14,215	1,738	123.4	555	85
California .....	469,696	247,383	81,948	329,331	-19,321	-19.1	17,169	6,459
Colorado .....	99,600	48,140	12,889	61,029	666	5.5	598	4,133
Illinois .....	898,239	651,403	93,044	744,447	17,764	23.6	10,734	10,441
Indiana .....	113,210	73,701	17,951	91,651	1,030	6.1	480	1,397
Iowa .....	270,200	200,700	10,815	211,515	2,782	34.6	1,633	1,981
Kansas .....	298,666	190,150	42,572	232,721	6,483	18.0	11,471	4,517
Kentucky .....	219,908	109,108	56,750	165,859	2,056	3.8	4,813	2,334
Louisiana .....	559,473	266,337	134,166	400,503	46,807	53.6	29,172	7,981
Maryland .....	62,000	46,677	6,591	53,269	4,234	179.6	1,218	91
Michigan .....	1,052,236	420,698	288,630	709,328	87,792	43.7	38,752	6,973
Minnesota .....	7,000	4,623	1,150	5,773	-58	-4.8	0	159
Mississippi .....	134,012	77,720	31,253	108,973	-696	-2.2	4,479	1,722
Missouri .....	31,126	21,600	8,507	30,107	1,619	23.5	36	83
Montana .....	375,010	167,373	35,853	203,226	-8,129	-18.5	1,131	1,355
Nebraska .....	39,469	31,507	919	32,426	57	6.6	112	866
New Mexico .....	96,600	23,585	6,221	29,805	1,946	45.5	622	908
New York .....	173,979	103,042	32,362	135,403	9,948	44.4	5,734	2,061
Ohio .....	557,452	350,943	46,067	397,010	30,392	193.9	18,808	3,902
Oklahoma .....	395,087	233,761	71,504	305,265	20,837	41.1	23,450	2,107
Oregon .....	11,623	4,896	3,177	8,073	2,093	192.9	0	81
Pennsylvania .....	680,006	354,870	162,833	517,703	54,901	50.9	40,164	7,323
Texas .....	678,534	254,416	167,055	421,470	52,236	45.5	45,798	5,403
Utah .....	121,980	62,100	9,393	71,493	-1,636	-14.8	2,721	2,125
Washington .....	37,300	22,096	1,713	23,810	-1,559	-47.6	936	2,480
West Virginia .....	484,597	296,480	44,568	341,048	17,268	63.3	15,439	832
Wyoming .....	105,869	60,676	9,643	70,319	-1,149	-10.6	265	354
<b>AGA Regions</b>								
Producing .....	2,194,242	1,057,036	455,917	1,512,953	129,351	39.6	115,547	22,723
Eastern Consuming .....	4,585,702	2,661,920	769,619	3,431,539	229,869	42.6	138,169	38,285
Western Consuming .....	1,228,076	617,287	155,767	773,054	-29,094	-15.7	22,820	17,145
<b>Total</b> .....	<b>8,008,021</b>	<b>4,336,243</b>	<b>1,381,303</b>	<b>5,717,546</b>	<b>330,126</b>	<b>31.4</b>	<b>276,536</b>	<b>78,154</b>

Notes: Gas in storage at the end of a reporting period may not equal the quantity derived by adding or subtracting net injections or withdrawals during the period to the quantity of gas in storage at the beginning of the period. This is due to changes in the quantities of native gas included in base gas and/or losses in base gas due to migration from storage reservoirs. Totals may not equal sum of components because of independent rounding. Geographic coverage is the 50 States and the District of Columbia. The American Gas Association (AGA) publishes weekly estimates of working gas levels in underground storage by region. AGA defines the Producing Region as Texas, Oklahoma, Kansas, New Mexico, Louisiana, Arkansas, and Mississippi; the Eastern Consuming Region as all States east of the Mississippi River less Mississippi, plus Iowa, Nebraska and Missouri; the Western Consuming Region as all States west of the Mississippi River less the Producing Region and Iowa, Nebraska and Missouri.

Source: Form EIA-191, "Monthly Underground Gas Storage Report."

**Table 15. Natural Gas Deliveries to Residential Consumers, by State, 1996-1998**  
(Million Cubic Feet)

State	YTD 1998	YTD 1997	YTD 1996	1998		
				March	February	January
Alabama .....	26,391	23,713	30,167	7,480	9,222	9,689
Alaska .....	5,485	5,787	6,391	1,529	<sup>R</sup> 1,716	2,240
Arizona .....	18,030	15,305	13,030	5,323	5,604	7,103
Arkansas .....	18,074	20,981	23,868	6,069	6,668	5,336
California .....	220,518	190,168	177,011	62,006	76,210	82,302
Colorado .....	NA	NA	49,762	NA	NA	NA
Connecticut .....	16,898	17,969	21,550	5,051	5,585	6,263
Delaware .....	4,016	4,425	5,123	1,248	1,360	1,408
District of Columbia .....	6,805	7,412	8,762	2,032	2,365	2,409
Florida .....	6,765	5,514	7,456	2,044	<sup>R</sup> 2,251	<sup>R</sup> 2,470
Georgia .....	54,510	46,575	61,561	16,312	18,031	20,167
Hawaii .....	157	146	153	49	52	55
Idaho .....	7,239	7,014	6,726	2,032	2,232	2,975
Illinois .....	186,260	230,808	249,213	54,697	53,146	78,417
Indiana .....	75,127	79,757	87,238	23,358	20,668	31,100
Iowa .....	34,456	38,977	41,837	10,634	10,261	13,560
Kansas .....	36,946	36,677	41,828	11,857	11,594	13,494
Kentucky .....	27,297	30,199	35,110	8,164	8,515	10,618
Louisiana .....	24,449	24,345	29,656	7,184	7,953	9,311
Maine .....	425	441	439	120	153	153
Maryland .....	33,237	34,765	42,028	9,577	11,052	12,609
Massachusetts .....	47,106	49,543	54,446	14,514	15,644	16,948
Michigan .....	153,009	175,715	189,831	47,397	48,977	56,636
Minnesota .....	52,963	62,664	67,221	16,337	15,023	21,603
Mississippi .....	NA	13,055	15,902	NA	4,564	NA
Missouri .....	59,107	64,346	70,004	17,763	18,966	22,378
Montana .....	8,251	9,403	9,463	2,429	2,404	3,418
Nebraska .....	21,026	23,753	23,642	6,482	6,642	7,902
Nevada .....	12,984	11,467	9,911	3,809	4,149	5,025
New Hampshire .....	2,996	3,110	3,337	845	1,010	1,140
New Jersey .....	86,542	102,422	109,759	26,429	29,313	30,800
New Mexico .....	16,961	16,761	14,808	4,740	4,337	7,884
New York .....	NA	183,405	187,000	NA	NA	NA
North Carolina .....	28,048	25,862	31,847	7,535	9,710	10,803
North Dakota .....	4,936	5,873	5,798	1,464	1,561	1,910
Ohio .....	138,649	161,875	182,091	44,211	43,910	50,527
Oklahoma .....	36,257	35,677	39,512	10,832	11,652	13,774
Oregon .....	NA	15,516	14,676	NA	4,581	6,117
Pennsylvania .....	98,767	120,817	138,100	32,526	34,714	31,526
Rhode Island .....	7,903	8,242	9,125	2,402	2,720	2,781
South Carolina .....	14,615	12,682	16,285	4,006	5,177	5,432
South Dakota .....	5,599	6,449	6,429	1,738	1,666	2,196
Tennessee .....	NA	NA	38,113	9,938	9,546	NA
Texas .....	92,406	98,546	110,332	25,051	30,500	36,854
Utah .....	23,070	24,187	22,544	6,482	8,193	8,396
Vermont .....	1,164	1,217	1,240	340	397	427
Virginia .....	32,232	33,989	39,537	9,618	11,067	11,546
Washington .....	NA	28,395	26,815	NA	NA	NA
West Virginia .....	15,423	15,917	19,055	4,718	5,171	5,534
Wisconsin .....	54,835	62,866	68,288	17,130	15,618	22,087
Wyoming .....	NA	5,447	5,739	1,566	1,560	NA
<b>Total .....</b>	<b>2,106,029</b>	<b>2,279,549</b>	<b>2,469,761</b>	<b>631,036</b>	<b><sup>R</sup>676,141</b>	<b><sup>R</sup>798,852</b>

See footnotes at end of table.

**Table 15. Natural Gas Deliveries to Residential Consumers, by State, 1996-1998**  
(Million Cubic Feet) — Continued

State	1997					
	Total	December	November	October	September	August
Alabama .....	48,328	7,914	3,963	1,435	1,250	1,238
Alaska .....	15,284	2,162	1,684	1,569	743	402
Arizona .....	31,162	4,780	1,980	1,057	1,127	910
Arkansas .....	42,472	6,375	4,018	1,346	949	918
California .....	486,233	69,510	40,537	24,905	21,772	20,951
Colorado .....	NA	NA	NA	NA	NA	NA
Connecticut .....	39,929	5,901	3,625	1,492	1,001	903
Delaware .....	8,920	1,206	667	250	183	178
District of Columbia .....	15,698	2,312	1,414	553	393	372
Florida .....	14,538	2,038	1,192	755	699	742
Georgia .....	114,282	19,723	16,465	6,777	3,190	2,944
Hawaii .....	518	45	42	39	40	41
Idaho .....	15,245	2,372	1,429	639	315	294
Illinois .....	497,370	69,685	56,316	29,486	11,697	10,111
Indiana .....	170,494	26,161	17,458	8,129	3,491	2,989
Iowa .....	81,357	12,039	8,592	4,027	1,645	1,472
Kansas .....	75,968	11,319	8,812	2,419	1,629	1,616
Kentucky .....	65,852	11,153	8,075	3,072	1,448	1,077
Louisiana .....	52,364	8,007	4,321	2,085	1,697	1,671
Maine .....	1,009	142	107	66	30	26
Maryland .....	77,109	10,927	8,296	3,543	2,067	1,800
Massachusetts .....	110,969	15,274	10,140	4,780	2,555	2,437
Michigan .....	379,431	49,980	37,898	17,835	8,767	7,264
Minnesota .....	132,392	17,705	15,376	6,811	2,864	2,556
Mississippi .....	NA	4,327	2,545	896	NA	NA
Missouri .....	128,012	19,007	12,077	3,667	2,625	2,403
Montana .....	20,995	3,197	2,030	1,230	508	447
Nebraska .....	47,115	5,790	4,401	1,382	936	937
Nevada .....	25,154	3,867	1,917	1,019	802	777
New Hampshire .....	6,949	933	616	327	175	155
New Jersey .....	212,726	30,622	19,893	8,843	5,309	4,680
New Mexico .....	36,380	8,162	4,067	1,209	830	843
New York .....	400,876	50,610	35,378	16,616	9,976	10,405
North Carolina .....	52,993	9,219	4,884	1,441	935	900
North Dakota .....	11,900	1,471	1,178	474	229	206
Ohio .....	354,654	51,089	37,009	19,335	7,228	6,202
Oklahoma .....	71,745	11,053	6,181	1,966	1,548	1,519
Oregon .....	33,055	4,834	2,809	1,498	737	670
Pennsylvania .....	262,306	37,823	26,338	12,987	6,315	4,714
Rhode Island .....	18,162	2,509	1,464	659	473	443
South Carolina .....	25,475	4,634	2,399	631	466	444
South Dakota .....	13,225	1,734	1,329	569	261	233
Tennessee .....	NA	11,064	6,385	1,905	1,187	1,080
Texas .....	211,229	33,619	19,418	8,261	6,416	6,101
Utah .....	58,099	10,374	6,017	4,299	1,957	1,466
Vermont .....	2,631	345	214	118	59	52
Virginia .....	73,716	11,657	7,430	3,007	1,640	1,473
Washington .....	NA	NA	NA	NA	NA	NA
West Virginia .....	<sup>R</sup> 36,349	<sup>R</sup> 6,079	<sup>R</sup> 4,103	<sup>R</sup> 1,755	784	594
Wisconsin .....	136,335	19,157	16,222	8,154	2,974	2,550
Wyoming .....	<sup>R</sup> 12,163	<sup>R</sup> 1,489	1,175	646	330	252
<b>Total .....</b>	<sup>R</sup> 5,010,340	<sup>R</sup> 732,116	<sup>R</sup> 499,331	<sup>R</sup> 236,078	131,678	119,301

See footnotes at end of table.

**Table 15. Natural Gas Deliveries to Residential Consumers, by State, 1996-1998**  
(Million Cubic Feet) — Continued

State	1997					
	July	June	May	April	March	February
Alabama .....	1,392	1,604	2,638	3,180	5,326	9,098
Alaska .....	463	508	789	1,177	1,767	1,618
Arizona .....	1,019	1,154	1,571	2,259	4,235	5,092
Arkansas .....	1,028	1,240	2,324	3,293	4,942	7,754
California .....	26,840	23,572	28,707	39,271	48,377	66,688
Colorado .....	NA	NA	NA	NA	NA	NA
Connecticut .....	949	1,380	2,332	4,378	5,176	6,538
Delaware .....	194	318	557	942	1,265	1,612
District of Columbia .....	419	562	944	1,316	2,049	2,655
Florida .....	785	856	944	1,013	1,279	2,068
Georgia .....	3,195	3,357	3,834	8,221	9,001	16,024
Hawaii .....	43	41	42	41	46	49
Idaho .....	346	433	939	1,464	1,909	2,542
Illinois .....	10,378	11,617	26,081	41,192	61,416	69,338
Indiana .....	2,852	4,958	9,482	15,219	20,684	26,294
Iowa .....	1,593	2,102	3,938	6,971	9,528	11,881
Kansas .....	1,862	1,652	3,581	6,402	8,769	12,105
Kentucky .....	1,419	1,572	2,954	4,883	7,293	8,964
Louisiana .....	1,685	2,050	2,824	3,680	5,619	8,991
Maine .....	21	34	56	85	142	133
Maryland .....	1,906	2,677	4,215	6,913	8,998	12,080
Massachusetts .....	2,831	4,370	6,917	12,122	15,127	17,654
Michigan .....	4,748	12,010	26,958	38,256	51,299	57,545
Minnesota .....	2,706	3,499	6,775	11,435	16,959	19,966
Mississippi .....	NA	920	1,463	1,904	3,038	4,968
Missouri .....	2,717	3,665	6,474	11,030	15,422	23,426
Montana .....	411	631	1,143	1,996	2,468	3,038
Nebraska .....	1,015	1,367	3,177	4,355	6,232	7,829
Nevada .....	887	981	1,419	2,018	3,172	3,825
New Hampshire .....	160	263	465	744	913	1,136
New Jersey .....	5,102	6,457	11,258	18,139	31,984	34,709
New Mexico .....	815	238	1,952	1,503	3,810	5,630
New York .....	10,440	15,312	27,004	41,729	52,648	63,646
North Carolina .....	1,074	1,599	2,991	4,087	5,811	10,002
North Dakota .....	228	333	730	1,178	1,576	1,984
Ohio .....	7,533	9,785	21,575	33,023	44,153	52,497
Oklahoma .....	1,679	2,105	3,857	6,160	9,070	12,687
Oregon .....	836	1,029	1,920	3,206	4,350	5,308
Pennsylvania .....	5,153	7,583	15,446	25,130	33,537	41,287
Rhode Island .....	480	727	1,171	1,994	2,462	2,891
South Carolina .....	512	701	1,230	1,776	2,592	4,994
South Dakota .....	248	368	784	1,250	1,625	2,089
Tennessee .....	1,119	NA	3,019	4,797	NA	12,086
Texas .....	6,829	7,595	10,420	14,025	22,686	33,154
Utah .....	1,501	1,601	1,821	4,875	5,945	8,366
Vermont .....	57	97	189	283	383	416
Virginia .....	1,576	2,054	4,227	6,662	9,123	11,741
Washington .....	NA	3,055	5,591	4,586	8,132	9,377
West Virginia .....	488	961	2,246	3,421	4,318	5,630
Wisconsin .....	2,878	2,965	7,456	11,112	17,378	19,323
Wyoming .....	294	395	1,076	1,058	1,544	1,660
<b>Total .....</b>	<b>130,980</b>	<b>160,568</b>	<b>286,052</b>	<b>434,687</b>	<b>605,838</b>	<b>766,614</b>

See footnotes at end of table.

**Table 15. Natural Gas Deliveries to Residential Consumers, by State, 1996-1998**  
(Million Cubic Feet) — Continued

State	1997	1996				
	January	Total	December	November	October	September
Alabama .....	9,290	56,522	6,664	3,461	1,647	1,321
Alaska .....	2,402	16,179	2,181	1,708	1,238	589
Arizona .....	5,978	27,709	4,051	2,322	1,082	900
Arkansas .....	8,285	46,289	6,286	3,768	1,425	1,044
California .....	75,103	473,310	62,905	43,702	30,462	26,104
Colorado .....	NA	110,924	15,814	9,571	4,886	2,773
Connecticut .....	6,255	43,764	5,842	3,522	1,840	992
Delaware .....	1,549	9,791	1,236	648	291	181
District of Columbia .....	2,708	17,290	2,406	1,252	578	401
Florida .....	2,167	16,293	1,583	972	752	690
Georgia .....	21,550	127,062	18,574	14,651	5,771	3,092
Hawaii .....	51	540	44	41	39	41
Idaho .....	2,564	14,941	2,224	1,570	646	364
Illinois .....	100,053	538,749	80,922	63,715	28,081	13,137
Indiana .....	32,779	179,939	26,087	18,577	7,846	3,617
Iowa .....	17,568	88,078	14,138	9,782	3,620	1,954
Kansas .....	15,803	85,376	14,388	9,447	3,163	1,973
Kentucky .....	13,942	70,232	10,177	9,022	3,018	1,389
Louisiana .....	9,736	56,626	6,173	3,511	2,102	1,836
Maine .....	166	967	120	105	67	28
Maryland .....	13,687	85,533	11,426	7,828	3,738	2,207
Massachusetts .....	16,762	114,365	13,947	9,943	5,012	2,677
Michigan .....	66,871	399,522	52,724	38,862	18,528	9,068
Minnesota .....	25,740	142,319	22,152	14,959	6,705	2,968
Mississippi .....	5,050	30,157	3,676	1,880	929	804
Missouri .....	25,499	137,225	20,539	11,687	4,321	2,749
Montana .....	3,897	22,175	3,286	2,458	1,267	634
Nebraska .....	9,692	48,989	7,283	4,043	2,173	1,017
Nevada .....	4,470	22,607	3,386	2,069	894	732
New Hampshire .....	1,061	7,012	855	667	312	169
New Jersey .....	35,729	222,619	29,983	18,933	9,917	5,472
New Mexico .....	7,320	33,689	5,663	3,689	1,330	844
New York .....	67,111	403,264	NA	NA	NA	NA
North Carolina .....	10,050	58,812	8,607	4,461	1,701	913
North Dakota .....	2,313	12,591	1,894	1,256	554	256
Ohio .....	65,225	374,824	52,480	38,565	18,651	7,026
Oklahoma .....	13,920	76,629	11,298	5,722	2,267	1,679
Oregon .....	5,857	33,236	5,200	3,164	1,357	821
Pennsylvania .....	45,992	278,606	36,688	27,037	13,202	5,907
Rhode Island .....	2,890	18,839	2,350	1,416	738	467
South Carolina .....	5,097	29,406	4,336	2,168	800	476
South Dakota .....	2,735	14,085	2,243	1,414	578	316
Tennessee .....	12,795	70,423	10,177	5,949	1,987	1,190
Texas .....	42,706	229,318	33,952	17,793	9,479	7,495
Utah .....	9,876	54,344	8,203	5,749	4,215	2,540
Vermont .....	419	2,523	302	208	100	56
Virginia .....	13,126	76,214	10,946	7,388	2,879	1,414
Washington .....	10,885	62,689	9,804	6,207	2,930	1,572
West Virginia .....	5,969	37,390	5,166	3,391	1,609	696
Wisconsin .....	26,165	147,893	21,285	16,724	7,783	3,130
Wyoming .....	2,243	13,534	1,744	1,334	1,087	368
<b>Total</b> .....	907,096	5,241,414	737,722	502,981	243,121	137,556

<sup>R</sup> = Revised Data.

NA = Not Available.

Notes: Geographic coverage is the 50 States and the District of Columbia. See Appendix A, Explanatory Note 5 for discussion of computations and revision policy.

Source: Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers."

**Table 16. Natural Gas Deliveries to Commercial Consumers, by State, 1996-1998**  
(Million Cubic Feet)

State	YTD 1998	YTD 1997	YTD 1996	1998		
				March	February	January
Alabama .....	12,061	10,900	13,145	3,522	4,010	4,529
Alaska .....	7,474	7,722	9,039	2,251	<sup>R</sup> 2,340	2,883
Arizona .....	11,210	10,536	9,678	3,548	3,534	4,129
Arkansas .....	12,699	13,002	14,554	3,843	4,075	4,781
California .....	78,566	75,535	68,476	19,321	28,787	30,457
Colorado .....	NA	NA	29,531	NA	NA	NA
Connecticut .....	16,296	15,935	16,330	4,999	5,540	5,757
Delaware .....	2,663	2,929	3,166	829	899	935
District of Columbia .....	6,957	6,834	5,640	2,032	2,382	2,542
Florida .....	12,097	11,294	13,170	3,961	<sup>R</sup> 3,984	<sup>R</sup> 4,152
Georgia .....	23,981	21,369	25,893	7,391	8,120	8,471
Hawaii .....	548	556	575	172	179	196
Idaho .....	4,969	4,945	4,876	1,423	1,570	1,977
Illinois .....	75,545	90,628	97,169	22,556	22,455	30,533
Indiana .....	34,518	38,986	40,985	11,063	10,460	12,995
Iowa .....	21,484	22,951	24,664	7,584	5,962	7,938
Kansas .....	21,569	21,331	23,234	8,014	6,177	7,378
Kentucky .....	15,357	16,782	19,180	4,636	5,053	5,668
Louisiana .....	14,565	9,613	10,865	5,056	4,998	4,511
Maine .....	1,096	1,158	1,156	332	<sup>R</sup> 342	422
Maryland .....	19,225	19,024	19,638	6,091	6,474	6,659
Massachusetts .....	39,657	39,308	36,807	11,570	14,371	13,716
Michigan .....	72,419	86,690	90,828	22,837	23,664	25,919
Minnesota .....	38,117	40,983	42,541	11,726	11,133	15,257
Mississippi .....	NA	8,393	9,429	NA	3,310	NA
Missouri .....	29,589	33,353	34,055	8,978	9,467	11,144
Montana .....	5,164	6,156	6,231	1,527	1,459	2,178
Nebraska .....	13,167	14,869	14,485	4,027	4,237	4,903
Nevada .....	8,296	7,782	7,043	2,642	2,575	3,078
New Hampshire .....	3,087	3,106	3,264	869	1,051	1,167
New Jersey .....	58,738	57,650	64,175	19,826	18,713	20,200
New Mexico .....	10,963	11,023	9,802	3,211	3,243	4,509
New York .....	NA	117,331	NA	NA	NA	NA
North Carolina .....	17,165	15,715	18,185	4,879	5,791	6,495
North Dakota .....	4,559	5,269	5,327	1,372	1,434	1,753
Ohio .....	72,480	83,162	90,375	21,443	23,991	27,046
Oklahoma .....	21,176	19,948	21,325	6,347	6,859	7,969
Oregon .....	NA	10,772	10,338	NA	3,308	3,889
Pennsylvania .....	59,034	59,976	69,822	17,790	19,674	21,571
Rhode Island .....	4,898	5,178	5,488	1,492	1,620	1,786
South Carolina .....	8,176	6,622	8,108	2,440	2,781	2,955
South Dakota .....	4,248	4,888	4,993	1,335	1,292	1,621
Tennessee .....	NA	NA	26,513	7,027	6,063	NA
Texas .....	73,783	66,489	60,518	20,104	29,399	24,280
Utah .....	12,565	12,888	12,282	3,787	4,235	4,544
Vermont .....	1,304	1,350	1,284	381	436	487
Virginia .....	24,950	23,903	24,104	7,878	8,398	8,673
Washington .....	NA	19,376	18,599	NA	NA	NA
West Virginia .....	12,806	10,372	11,734	3,146	6,096	3,564
Wisconsin .....	33,552	38,983	42,065	11,019	9,845	12,688
Wyoming .....	NA	4,698	3,410	1,128	1,288	NA
<b>Total .....</b>	<b>1,215,040</b>	<b>1,271,054</b>	<b>1,310,433</b>	<b>368,098</b>	<b><sup>R</sup>401,710</b>	<b><sup>R</sup>445,232</b>

See footnotes at end of table.

**Table 16. Natural Gas Deliveries to Commercial Consumers, by State, 1996-1998**  
(Million Cubic Feet) — Continued

State	1997					
	Total	December	November	October	September	August
Alabama .....	34,239	3,740	2,540	2,107	2,375	3,087
Alaska .....	23,254	2,748	2,304	2,221	1,336	1,104
Arizona .....	30,178	3,386	2,273	1,754	1,839	1,770
Arkansas .....	29,518	3,996	2,726	1,352	1,133	1,132
California .....	254,440	26,174	21,235	19,673	18,468	18,728
Colorado .....	NA	NA	NA	NA	NA	NA
Connecticut .....	41,241	5,776	3,208	2,486	1,560	1,754
Delaware .....	6,547	864	520	282	233	183
District of Columbia .....	17,034	2,293	1,354	899	852	853
Florida .....	37,644	3,833	3,203	2,687	2,561	2,651
Georgia .....	57,474	7,991	6,146	3,654	2,811	2,626
Hawaii .....	2,174	185	251	171	166	160
Idaho .....	11,435	1,657	982	585	411	356
Illinois .....	205,941	27,467	23,244	12,431	6,546	5,935
Indiana .....	98,622	13,318	9,608	5,146	2,667	2,551
Iowa .....	50,218	7,166	5,681	3,031	1,358	1,110
Kansas .....	NA	NA	4,780	2,508	2,087	2,685
Kentucky .....	39,046	6,217	4,223	2,429	1,268	967
Louisiana .....	<sup>R</sup> 24,451	2,987	1,988	1,330	1,250	1,195
Maine .....	2,713	375	289	176	91	78
Maryland .....	53,255	6,365	8,614	2,917	2,271	2,226
Massachusetts .....	105,883	11,544	8,664	7,063	5,488	5,776
Michigan .....	197,276	26,512	19,536	10,084	6,211	5,889
Minnesota .....	93,655	12,420	10,831	5,320	2,563	2,522
Mississippi .....	NA	2,928	2,026	1,157	NA	NA
Missouri .....	70,044	9,543	6,200	2,736	2,196	2,054
Montana .....	13,932	2,005	1,299	793	423	383
Nebraska .....	42,107	4,247	3,487	2,351	1,868	2,896
Nevada .....	21,822	2,567	1,797	1,270	1,192	1,145
New Hampshire .....	7,408	1,010	703	411	249	217
New Jersey .....	147,228	20,186	13,739	7,215	6,062	5,793
New Mexico .....	26,151	3,956	2,423	1,160	1,020	997
New York .....	<sup>R</sup> 346,939	36,071	27,233	<sup>R</sup> 21,384	18,287	22,102
North Carolina .....	38,942	5,608	3,490	2,057	1,751	1,629
North Dakota .....	11,392	1,374	1,163	588	344	291
Ohio .....	182,416	25,219	17,840	9,823	5,006	4,408
Oklahoma .....	43,776	5,673	3,390	2,126	1,659	1,626
Oregon .....	25,380	3,341	2,016	1,363	1,023	912
Pennsylvania .....	146,712	20,160	14,246	9,659	5,298	3,779
Rhode Island .....	12,303	1,413	1,212	637	460	399
South Carolina .....	<sup>R</sup> 19,874	2,671	1,771	1,176	1,904	1,019
South Dakota .....	10,426	1,312	1,022	549	334	250
Tennessee .....	NA	8,120	5,216	2,846	2,120	2,064
Texas .....	<sup>R</sup> 206,455	23,104	18,448	14,187	15,035	15,234
Utah .....	31,130	5,152	3,187	2,020	1,124	943
Vermont .....	3,051	403	282	184	108	80
Virginia .....	61,430	8,549	5,455	3,489	2,392	2,449
Washington .....	NA	NA	NA	NA	NA	NA
West Virginia .....	26,927	3,447	2,904	1,576	1,195	1,292
Wisconsin .....	92,418	12,954	10,586	5,664	2,901	2,961
Wyoming .....	12,291	1,092	1,065	633	372	345
<b>Total</b> .....	<sup>R</sup> 3,284,377	412,747	316,783	<sup>R</sup> 194,500	147,354	147,439

See footnotes at end of table.



**Table 16. Natural Gas Deliveries to Commercial Consumers, by State, 1996-1998**  
(Million Cubic Feet) — Continued

State	1997					
	July	June	May	April	March	February
Alabama .....	3,497	1,779	2,020	2,194	2,613	4,063
Alaska .....	1,167	1,191	1,546	1,914	2,482	2,198
Arizona .....	1,939	1,976	2,141	2,563	3,153	3,525
Arkansas .....	1,133	1,219	1,653	2,172	3,149	4,730
California .....	17,971	16,572	18,994	21,091	23,612	26,107
Colorado .....	NA	NA	NA	NA	NA	NA
Connecticut .....	1,895	1,986	2,586	4,055	4,797	5,346
Delaware .....	206	281	420	628	858	1,046
District of Columbia .....	783	951	1,373	842	2,183	2,316
Florida .....	2,578	2,917	2,902	3,017	3,307	3,862
Georgia .....	2,709	2,800	3,216	4,152	4,864	7,924
Hawaii .....	175	170	166	174	180	188
Idaho .....	373	399	686	1,041	1,345	1,784
Illinois .....	6,084	6,145	10,664	16,797	23,444	30,059
Indiana .....	2,428	6,344	9,965	7,610	10,465	12,807
Iowa .....	1,306	1,262	2,376	3,976	5,758	7,056
Kansas .....	3,283	2,078	2,798	4,004	6,012	8,130
Kentucky .....	1,176	1,181	1,890	2,913	4,093	5,483
Louisiana .....	1,350	1,408	1,492	1,837	<sup>R</sup> 2,463	3,574
Maine .....	72	92	152	231	378	348
Maryland .....	2,378	2,305	2,735	4,420	5,563	6,380
Massachusetts .....	5,555	7,151	6,266	9,068	11,630	13,854
Michigan .....	2,278	7,664	13,205	19,207	25,654	28,433
Minnesota .....	2,496	3,004	5,155	8,361	12,000	13,403
Mississippi .....	NA	1,176	1,237	1,533	2,106	3,062
Missouri .....	2,151	2,457	3,569	5,786	7,970	12,828
Montana .....	363	451	714	1,342	1,652	1,947
Nebraska .....	5,042	1,728	2,430	3,190	4,117	4,845
Nevada .....	1,097	1,409	1,666	1,896	2,442	2,629
New Hampshire .....	216	286	472	739	954	1,079
New Jersey .....	6,094	7,027	9,816	13,645	21,543	14,211
New Mexico .....	984	960	1,766	1,862	2,935	3,938
New York .....	23,940	24,103	25,257	31,231	36,768	41,464
North Carolina .....	1,548	1,770	2,401	2,973	3,806	5,850
North Dakota .....	305	343	619	1,095	1,408	1,879
Ohio .....	4,153	6,276	11,339	15,190	23,205	28,174
Oklahoma .....	1,649	1,517	2,617	3,571	5,041	7,183
Oregon .....	1,007	1,067	1,574	2,304	3,076	3,686
Pennsylvania .....	4,680	5,554	10,354	13,007	17,888	19,583
Rhode Island .....	431	537	892	1,144	1,740	1,744
South Carolina .....	997	1,214	1,278	<sup>R</sup> 1,222	1,816	<sup>R</sup> 2,409
South Dakota .....	246	283	604	940	1,235	1,607
Tennessee .....	2,090	NA	3,242	4,276	NA	9,488
Texas .....	15,315	11,993	12,860	13,790	19,967	<sup>R</sup> 21,284
Utah .....	927	946	1,268	2,675	3,363	4,473
Vermont .....	80	108	160	296	429	444
Virginia .....	2,370	2,681	4,381	5,762	7,212	8,021
Washington .....	NA	2,917	4,098	4,100	5,627	6,275
West Virginia .....	1,044	1,181	1,693	2,222	2,816	3,652
Wisconsin .....	2,769	2,868	5,507	7,225	10,989	12,071
Wyoming .....	943	633	1,065	1,445	1,593	1,423
<b>Total .....</b>	<b>150,596</b>	<b>158,726</b>	<b>212,328</b>	<b><sup>R</sup>272,851</b>	<b><sup>R</sup>365,992</b>	<b><sup>R</sup>427,625</b>

See footnotes at end of table.

**Table 16. Natural Gas Deliveries to Commercial Consumers, by State, 1996-1998**  
(Million Cubic Feet) — Continued

State	1997	1996				
	January	Total	December	November	October	September
Alabama .....	4,224	29,002	3,123	1,991	1,402	1,207
Alaska .....	3,042	27,315	3,236	2,743	2,337	1,617
Arizona .....	3,858	29,102	3,259	2,461	1,748	1,680
Arkansas .....	5,123	31,009	3,876	2,462	1,356	1,106
California .....	25,816	236,332	24,836	21,313	18,727	17,544
Colorado .....	NA	68,931	9,028	5,807	3,306	2,227
Connecticut .....	5,792	39,818	4,902	3,112	2,400	1,822
Delaware .....	1,025	6,695	821	502	277	223
District of Columbia .....	2,335	16,353	2,325	1,195	804	774
Florida .....	4,126	41,898	3,830	3,179	2,957	2,840
Georgia .....	8,582	61,377	7,462	5,450	3,339	2,673
Hawaii .....	188	2,132	176	160	170	171
Idaho .....	1,816	11,540	1,621	1,107	597	421
Illinois .....	37,125	218,086	32,425	25,216	12,090	7,125
Indiana .....	15,715	87,568	12,378	9,122	4,102	2,202
Iowa .....	10,137	54,576	8,510	5,896	2,101	1,926
Kansas .....	7,190	57,231	9,187	4,867	2,057	1,286
Kentucky .....	7,206	40,980	5,892	4,439	2,241	1,194
Louisiana .....	<sup>R</sup> 3,575	25,769	2,435	1,680	1,395	1,305
Maine .....	433	2,566	310	280	172	78
Maryland .....	7,080	45,891	5,433	4,693	2,427	1,922
Massachusetts .....	13,824	96,192	11,752	9,718	5,432	4,767
Michigan .....	32,603	201,431	26,123	19,486	9,472	6,146
Minnesota .....	15,580	98,580	15,009	10,756	5,479	2,867
Mississippi .....	3,226	22,230	2,333	1,631	1,088	1,078
Missouri .....	12,556	72,833	10,204	6,136	2,959	2,235
Montana .....	2,558	14,836	2,123	1,659	848	498
Nebraska .....	5,907	40,833	5,032	3,678	2,778	2,273
Nevada .....	2,711	20,469	2,417	1,817	1,269	1,116
New Hampshire .....	1,073	7,099	896	698	360	201
New Jersey .....	21,897	150,432	18,834	12,586	7,731	5,870
New Mexico .....	4,151	26,544	3,553	2,450	1,365	1,079
New York .....	39,099	253,129	NA	NA	NA	NA
North Carolina .....	6,059	40,467	5,160	3,240	1,917	1,658
North Dakota .....	1,982	12,165	1,726	1,286	661	410
Ohio .....	31,783	190,195	26,298	18,274	8,548	4,048
Oklahoma .....	7,724	46,284	6,014	3,273	1,900	1,759
Oregon .....	4,011	25,622	3,595	2,314	1,306	1,023
Pennsylvania .....	22,506	154,677	22,333	15,107	8,161	4,302
Rhode Island .....	1,694	12,301	1,290	972	648	581
South Carolina .....	<sup>R</sup> 2,397	20,329	2,447	1,644	1,157	1,041
South Dakota .....	2,045	11,602	1,813	1,237	571	352
Tennessee .....	9,084	58,513	7,599	5,116	2,830	2,354
Texas .....	<sup>R</sup> 25,238	178,573	18,053	12,865	10,151	8,830
Utah .....	5,051	29,666	4,220	3,185	2,073	1,279
Vermont .....	477	2,825	348	276	162	90
Virginia .....	8,670	59,294	7,489	5,776	3,363	2,401
Washington .....	7,474	48,252	6,623	4,489	2,701	1,920
West Virginia .....	3,903	28,030	3,400	2,494	1,620	1,171
Wisconsin .....	15,922	93,868	13,368	11,029	4,694	2,376
Wyoming .....	1,681	9,735	1,748	1,301	640	250
<b>Total</b> .....	<sup>R</sup> 477,438	3,161,176	409,165	294,522	171,277	124,490

<sup>R</sup> = Revised Data.

NA = Not Available.

Notes: Geographic coverage is the 50 States and the District of Columbia. Deliveries for total year 1996 may not equal the sum of the twelve months. Gas volumes delivered for use as vehicle fuel are included in the annual total but not in the monthly components. See Appendix A, Explanatory Note 5 for discussion of computations and revision policy. In 1996, consumption of natural gas for agricultural use is classified as industrial use. In 1995 and earlier years, agricultural use was classified as commercial use. See Explanatory Note 5 for further explanation.

Source: Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers."

**Table 17. Natural Gas Deliveries to Industrial Consumers, by State, 1996-1998**  
(Million Cubic Feet)

State	YTD 1998	YTD 1997	YTD 1996	1998		
				March	February	January
Alabama .....	53,131	50,760	51,626	18,208	16,441	18,483
Alaska .....	19,484	20,531	17,685	6,878	6,152	6,454
Arizona .....	7,171	6,711	7,001	2,413	2,226	2,533
Arkansas .....	38,815	38,300	37,347	13,363	12,114	13,339
California .....	178,724	171,676	170,069	47,185	67,501	64,039
Colorado .....	NA	NA	22,759	NA	<sup>R</sup> 4,728	<sup>R</sup> 5,321
Connecticut .....	9,734	9,641	7,845	3,183	3,149	3,402
Delaware .....	4,524	3,684	3,566	1,477	1,443	1,604
District of Columbia .....	0	0	0	0	0	0
Florida .....	37,010	33,331	34,896	12,960	11,148	12,902
Georgia .....	40,578	47,582	43,837	13,434	13,335	13,808
Hawaii .....	0	0	0	0	0	0
Idaho <sup>a</sup> .....	9,956	9,168	9,604	3,130	3,482	3,344
Illinois .....	91,138	94,284	99,978	29,211	28,719	33,208
Indiana .....	80,545	81,584	81,012	27,772	25,847	26,926
Iowa .....	32,629	30,322	31,034	11,792	9,516	11,321
Kansas .....	26,194	31,218	29,535	8,686	7,811	9,697
Kentucky .....	26,274	27,855	27,544	8,884	7,550	9,839
Louisiana .....	238,048	240,137	256,976	81,959	73,162	82,928
Maine .....	524	524	517	159	<sup>R</sup> 164	202
Maryland .....	35,652	14,501	11,423	11,276	10,677	13,699
Massachusetts .....	27,125	30,514	25,580	8,759	8,443	9,923
Michigan .....	97,412	98,745	103,765	32,052	31,380	33,980
Minnesota .....	28,255	30,121	26,515	9,039	10,044	9,171
Mississippi .....	NA	20,744	22,023	NA	6,814	NA
Missouri .....	20,195	21,660	22,355	6,788	6,360	7,047
Montana .....	4,814	5,241	4,916	1,481	1,449	1,884
Nebraska .....	9,425	9,818	10,236	3,043	2,902	3,481
Nevada .....	6,038	7,801	7,984	2,174	1,979	1,885
New Hampshire .....	1,447	1,392	1,111	468	498	481
New Jersey .....	53,786	53,316	51,061	17,152	17,655	18,980
New Mexico .....	5,629	6,671	6,233	1,822	1,823	1,984
New York .....	NA	90,344	85,352	26,423	NA	NA
North Carolina .....	32,003	29,459	23,490	10,846	10,404	10,752
North Dakota .....	2,975	3,860	2,053	1,017	948	1,010
Ohio .....	99,948	99,367	103,999	32,257	31,779	35,912
Oklahoma .....	50,205	54,911	53,127	16,578	17,131	16,497
Oregon .....	NA	21,654	19,443	NA	8,744	9,760
Pennsylvania .....	64,625	68,627	69,402	21,699	20,811	22,115
Rhode Island .....	6,300	6,365	3,230	2,117	2,011	2,173
South Carolina .....	27,894	25,358	20,339	9,121	9,129	9,645
South Dakota .....	1,539	2,373	2,465	474	500	565
Tennessee .....	NA	NA	32,323	14,188	12,628	NA
Texas .....	NA	530,479	549,501	141,562	NA	149,477
Utah .....	13,088	11,284	11,251	4,273	4,080	4,735
Vermont .....	621	611	496	194	205	223
Virginia .....	20,687	20,730	24,167	6,497	7,444	6,747
Washington .....	NA	27,541	28,943	NA	NA	NA
West Virginia .....	10,759	10,799	12,801	4,553	1,696	4,510
Wisconsin .....	44,454	48,569	47,226	14,819	13,298	16,337
Wyoming .....	NA	12,647	12,863	NA	NA	NA
<b>Total .....</b>	<b>2,202,507</b>	<b>2,321,780</b>	<b>2,328,507</b>	<b>729,976</b>	<b><sup>R</sup>696,515</b>	<b><sup>R</sup>776,016</b>

See footnotes at end of table.

**Table 17. Natural Gas Deliveries to Industrial Consumers, by State, 1996-1998**  
(Million Cubic Feet) — Continued

State	1997					
	Total	December	November	October	September	August
Alabama .....	206,129	18,755	17,910	17,161	16,150	16,827
Alaska .....	73,863	6,876	5,571	6,313	4,233	6,395
Arizona .....	<sup>R</sup> 27,889	2,688	2,360	2,335	2,582	2,375
Arkansas .....	147,046	13,202	12,751	12,471	11,035	11,994
California .....	731,180	63,859	61,447	60,283	65,816	67,815
Colorado .....	NA	NA	NA	NA	NA	NA
Connecticut .....	35,031	3,422	3,408	2,588	2,362	2,550
Delaware .....	14,841	1,580	1,327	1,202	1,107	1,017
District of Columbia .....	0	0	0	0	0	0
Florida .....	<sup>R</sup> 132,636	<sup>R</sup> 11,487	<sup>R</sup> 10,945	<sup>R</sup> 10,925	<sup>R</sup> 10,734	<sup>R</sup> 10,355
Georgia .....	170,988	12,800	12,468	12,817	12,855	13,575
Hawaii .....	0	0	0	0	0	0
Idaho <sup>a</sup> .....	35,089	3,159	3,109	3,226	2,756	2,371
Illinois .....	316,352	30,515	27,702	24,750	22,004	20,706
Indiana .....	282,466	28,684	26,650	23,332	21,152	20,475
Iowa .....	111,430	10,686	10,199	9,886	8,468	8,680
Kansas .....	<sup>R</sup> 115,454	<sup>R</sup> 10,909	<sup>R</sup> 8,587	<sup>R</sup> 8,210	<sup>R</sup> 7,655	<sup>R</sup> 8,324
Kentucky .....	97,555	9,442	8,835	8,625	7,052	7,079
Louisiana .....	983,217	81,573	80,707	84,368	82,780	83,946
Maine .....	2,525	216	296	243	208	191
Maryland .....	61,353	13,713	263	4,308	4,427	5,019
Massachusetts .....	110,880	9,185	8,316	8,095	7,625	8,946
Michigan .....	326,414	31,551	27,735	24,470	23,655	23,705
Minnesota .....	<sup>R</sup> 107,280	<sup>R</sup> 10,111	<sup>R</sup> 10,179	<sup>R</sup> 9,139	<sup>R</sup> 7,244	<sup>R</sup> 8,412
Mississippi .....	NA	7,043	7,238	6,572	NA	NA
Missouri .....	69,623	6,701	6,057	5,106	4,322	4,338
Montana .....	18,122	2,064	1,850	1,612	1,290	1,253
Nebraska .....	<sup>R</sup> 32,514	3,723	1,923	2,697	2,050	2,627
Nevada .....	31,100	2,530	2,499	2,689	2,654	2,675
New Hampshire .....	6,085	468	442	499	—	451
New Jersey .....	202,654	17,569	15,519	16,683	16,219	17,715
New Mexico .....	24,853	2,146	2,019	1,881	1,982	1,957
New York .....	325,392	27,393	27,674	21,794	26,738	24,589
North Carolina .....	116,320	10,426	9,608	9,568	9,017	9,696
North Dakota .....	<sup>R</sup> 11,151	929	869	812	754	817
Ohio .....	336,659	32,492	30,107	26,986	24,750	24,078
Oklahoma .....	205,823	16,600	15,704	15,473	16,687	17,620
Oregon .....	89,782	9,596	8,694	8,284	8,041	8,313
Pennsylvania .....	235,913	20,983	21,509	17,230	16,783	17,206
Rhode Island .....	24,470	2,179	2,148	1,509	1,440	1,491
South Carolina .....	115,115	9,344	8,702	8,239	8,883	10,653
South Dakota .....	6,961	606	618	425	470	499
Tennessee .....	NA	12,466	8,602	11,242	13,313	13,153
Texas .....	NA	174,230	162,492	165,162	NA	172,857
Utah .....	44,290	4,504	4,129	4,228	2,497	3,369
Vermont .....	2,337	235	226	224	176	157
Virginia .....	84,644	7,773	6,522	5,914	6,951	8,927
Washington .....	NA	NA	NA	NA	NA	NA
West Virginia .....	51,114	4,610	4,353	4,150	4,032	4,106
Wisconsin .....	152,545	14,848	14,202	11,931	10,069	9,521
Wyoming .....	46,627	4,102	4,328	3,966	2,830	3,672
<b>Total</b> .....	<sup>R</sup> 8,769,375	<sup>R</sup> 789,819	<sup>R</sup> 724,098	<sup>R</sup> 705,896	<sup>R</sup> 687,667	<sup>R</sup> 716,267

See footnotes at end of table.

**Table 17. Natural Gas Deliveries to Industrial Consumers, by State, 1996-1998**  
(Million Cubic Feet) — Continued

State	1997					
	July	June	May	April	March	February
Alabama .....	16,848	16,253	17,284	18,182	16,885	16,341
Alaska .....	5,968	5,915	5,619	6,443	6,993	6,448
Arizona .....	2,246	2,170	2,332	<sup>R</sup> 2,089	<sup>R</sup> 2,351	<sup>R</sup> 2,132
Arkansas .....	11,785	11,598	11,903	12,008	12,361	12,195
California .....	65,810	58,874	58,119	57,480	57,065	55,756
Colorado .....	NA	NA	NA	NA	NA	NA
Connecticut .....	2,440	2,441	2,870	3,308	3,521	3,031
Delaware .....	1,106	1,156	1,308	1,354	1,249	1,192
District of Columbia .....	0	0	0	0	0	0
Florida .....	<sup>R</sup> 11,071	<sup>R</sup> 10,526	<sup>R</sup> 11,522	<sup>R</sup> 11,739	<sup>R</sup> 11,318	<sup>R</sup> 10,645
Georgia .....	12,874	12,448	16,828	16,740	16,153	16,385
Hawaii .....	0	0	0	0	0	0
Idaho <sup>a</sup> .....	2,723	2,724	2,673	3,180	3,200	2,802
Illinois .....	22,431	22,272	25,139	26,550	29,761	31,673
Indiana .....	19,853	17,289	19,839	23,608	26,703	25,597
Iowa .....	7,768	7,823	8,516	9,081	9,800	9,785
Kansas .....	<sup>R</sup> 12,351	<sup>R</sup> 8,854	<sup>R</sup> 9,443	<sup>R</sup> 9,903	<sup>R</sup> 9,911	<sup>R</sup> 9,183
Kentucky .....	6,526	6,669	7,704	7,769	8,408	8,964
Louisiana .....	80,979	82,324	83,780	82,622	78,729	78,331
Maine .....	178	197	226	247	182	162
Maryland .....	4,767	5,126	4,734	4,495	5,528	4,661
Massachusetts .....	8,930	10,487	8,389	10,392	10,520	10,375
Michigan .....	16,029	25,327	27,343	27,854	32,629	32,134
Minnesota .....	<sup>R</sup> 8,176	<sup>R</sup> 7,733	<sup>R</sup> 7,622	<sup>R</sup> 8,544	<sup>R</sup> 10,448	<sup>R</sup> 10,202
Mississippi .....	NA	6,054	5,804	6,535	6,721	6,686
Missouri .....	4,492	4,810	4,987	7,149	5,099	9,463
Montana .....	1,093	1,176	1,365	1,178	1,695	1,634
Nebraska .....	1,207	<sup>R</sup> 2,484	<sup>R</sup> 2,580	<sup>R</sup> 3,404	<sup>R</sup> 3,426	<sup>R</sup> 3,257
Nevada .....	2,517	2,519	2,791	2,424	2,665	2,462
New Hampshire .....	422	434	905	632	570	411
New Jersey .....	16,450	15,822	16,773	16,587	18,406	15,694
New Mexico .....	2,097	2,041	2,123	1,935	1,944	2,119
New York .....	27,876	25,785	25,745	27,455	30,706	31,100
North Carolina .....	9,102	9,195	9,687	10,561	10,341	9,950
North Dakota .....	<sup>R</sup> 625	707	911	867	1,574	1,253
Ohio .....	22,725	22,461	26,644	27,049	30,688	32,631
Oklahoma .....	16,618	17,536	17,339	17,335	17,207	18,790
Oregon .....	7,289	5,557	6,033	6,322	6,726	6,525
Pennsylvania .....	16,881	16,359	18,780	21,556	22,001	23,241
Rhode Island .....	2,159	2,265	2,401	2,514	2,241	1,993
South Carolina .....	17,104	8,451	9,122	9,260	9,152	8,054
South Dakota .....	322	492	531	624	705	792
Tennessee .....	10,831	NA	11,767	12,548	NA	12,789
Texas .....	166,725	165,999	166,759	164,032	182,742	160,683
Utah .....	3,482	3,408	3,633	3,757	3,777	3,698
Vermont .....	144	146	218	200	234	197
Virginia .....	8,064	5,864	7,452	6,449	4,162	8,056
Washington .....	NA	8,005	8,513	8,189	9,259	9,170
West Virginia .....	3,991	3,905	4,439	6,731	2,577	3,836
Wisconsin .....	9,041	9,458	11,310	13,597	15,650	14,948
Wyoming .....	3,234	3,858	4,125	3,864	3,795	3,792
<b>Total</b> .....	<sup>R</sup> 696,488	<sup>R</sup> 680,879	<sup>R</sup> 713,311	<sup>R</sup> 733,171	<sup>R</sup> 768,128	<sup>R</sup> 747,881

See footnotes at end of table.

**Table 17. Natural Gas Deliveries to Industrial Consumers, by State, 1996-1998**  
(Million Cubic Feet) — Continued

State	1997	1996				
	January	Total	December	November	October	September
Alabama .....	17,534	201,414	17,016	16,951	18,097	16,712
Alaska .....	7,090	75,616	7,034	6,450	6,421	6,288
Arizona .....	<sup>R</sup> 2,228	26,979	2,536	2,436	2,363	2,246
Arkansas .....	13,744	141,300	12,552	12,171	12,008	10,821
California .....	58,855	693,539	61,618	59,107	57,199	57,688
Colorado .....	NA	83,640	7,861	7,271	5,109	6,270
Connecticut .....	3,088	32,451	3,013	3,386	3,108	2,589
Delaware .....	1,243	14,164	1,148	1,180	1,338	1,138
District of Columbia .....	0	0	0	0	0	0
Florida .....	<sup>R</sup> 11,369	136,722	11,160	11,655	10,931	11,324
Georgia .....	15,044	181,768	15,926	15,856	15,569	15,136
Hawaii .....	0	0	0	0	0	0
Idaho <sup>a</sup> .....	3,166	34,577	2,891	2,747	3,023	2,802
Illinois .....	32,850	322,275	35,802	30,672	24,666	19,734
Indiana .....	29,284	289,219	25,886	24,549	23,056	20,528
Iowa .....	10,738	113,995	10,955	11,178	9,460	7,445
Kansas .....	<sup>R</sup> 12,123	110,294	9,372	9,897	7,314	8,141
Kentucky .....	10,483	94,481	9,646	8,705	7,555	6,589
Louisiana .....	83,077	1,048,432	86,865	89,171	89,370	87,576
Maine .....	180	2,190	171	234	239	185
Maryland .....	4,312	50,022	4,956	3,981	4,196	4,055
Massachusetts .....	9,619	100,015	9,252	8,643	9,419	8,119
Michigan .....	33,982	347,043	32,754	29,990	25,126	24,187
Minnesota .....	<sup>R</sup> 9,471	102,471	9,903	10,656	9,236	7,719
Mississippi .....	7,337	80,887	6,503	6,507	7,363	6,432
Missouri .....	7,097	71,533	6,510	6,157	4,963	4,540
Montana .....	1,913	18,103	1,985	1,668	1,554	1,382
Nebraska .....	<sup>R</sup> 3,135	36,125	3,689	3,179	3,248	2,452
Nevada .....	2,675	32,606	2,859	2,705	2,548	2,728
New Hampshire .....	411	4,916	404	529	471	392
New Jersey .....	19,217	200,933	27,230	17,727	14,853	14,574
New Mexico .....	2,608	22,858	2,173	1,875	1,799	1,751
New York .....	28,538	322,661	31,374	26,765	25,488	25,312
North Carolina .....	9,168	104,124	9,413	9,964	10,368	8,412
North Dakota .....	1,033	7,911	924	955	685	552
Ohio .....	36,048	347,149	33,111	30,242	27,432	22,996
Oklahoma .....	18,914	201,024	19,194	15,941	16,689	16,741
Oregon .....	8,402	87,754	8,498	8,526	8,657	7,954
Pennsylvania .....	23,384	243,499	21,089	22,617	19,275	17,697
Rhode Island .....	2,131	25,829	2,553	2,992	3,189	2,921
South Carolina .....	8,152	95,493	8,646	8,699	8,836	7,982
South Dakota .....	877	7,182	715	694	523	427
Tennessee .....	11,698	126,545	12,264	12,388	10,679	10,240
Texas .....	187,054	2,138,155	181,384	171,353	181,999	186,067
Utah .....	3,809	42,213	3,693	3,663	3,592	3,436
Vermont .....	181	1,953	191	211	174	151
Virginia .....	8,513	84,357	9,782	7,474	6,080	5,162
Washington .....	9,112	114,236	9,758	10,859	10,660	10,161
West Virginia .....	4,386	49,997	4,443	4,418	4,310	4,596
Wisconsin .....	17,970	149,517	15,456	14,652	11,984	9,773
Wyoming .....	5,060	50,253	4,647	4,741	4,678	3,699
<b>Total</b> .....	<sup>R</sup> 805,770	8,870,422	806,805	764,387	736,900	705,823

<sup>a</sup> Small volumes of natural gas representing onsystem sales to industrial consumers in Idaho are included in the annual total but not in monthly components. Deliveries for total year 1995 in Idaho do not equal the sum of the twelve months.

<sup>R</sup> = Revised Data.

NA = Not Available.

— = Not Applicable.

Notes: Geographic coverage is the 50 States and the District of Columbia. See Appendix A, Explanatory Note 5 for discussion of computations and revision policy. In 1996, consumption of natural gas for agricultural use is classified as industrial use. In 1995 and earlier years, agricultural use was classified as commercial use. See Explanatory Note 5 for further explanation.

Source: Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers."

**Table 18. Natural Gas Deliveries to Electric Utility<sup>a</sup> Consumers,  
by State, 1996-1998**  
(Million Cubic Feet)

State	YTD 1998	YTD 1997	YTD 1996	1998		
				March	February	January
Alabama .....	901	450	350	383	157	362
Alaska .....	7,541	9,252	8,175	2,382	2,307	2,852
Arizona .....	2,483	1,265	2,225	718	804	962
Arkansas .....	2,082	1,082	1,872	1,521	272	289
California .....	68,407	56,015	53,413	23,374	18,278	26,755
Colorado .....	1,248	980	815	416	451	381
Connecticut .....	1,268	2,402	81	23	109	1,136
Delaware .....	805	6,093	5,338	475	74	256
District of Columbia .....	0	0	0	0	0	0
Florida .....	52,739	56,688	45,862	18,020	15,637	19,082
Georgia .....	343	89	127	183	57	102
Hawaii .....	0	0	0	0	0	0
Idaho .....	0	0	0	0	0	0
Illinois .....	11,570	5,323	2,573	4,022	3,535	4,014
Indiana .....	616	533	943	426	104	87
Iowa .....	711	848	612	245	202	264
Kansas .....	1,926	1,524	2,995	935	446	545
Kentucky .....	506	321	361	282	138	86
Louisiana .....	41,228	44,239	44,089	16,198	9,860	15,171
Maine .....	0	0	0	0	0	0
Maryland .....	785	569	303	371	223	191
Massachusetts .....	5,126	9,641	3,872	1,565	1,320	2,241
Michigan .....	9,493	6,670	7,296	3,758	2,496	3,239
Minnesota .....	429	1,474	780	204	105	119
Mississippi .....	9,788	8,853	10,017	3,921	2,775	3,092
Missouri .....	376	215	391	161	80	135
Montana .....	40	110	103	39	0	1
Nebraska .....	117	188	342	59	21	37
Nevada .....	8,601	6,650	8,075	2,446	3,128	3,027
New Hampshire .....	26	1	1	0	26	0
New Jersey .....	2,782	3,860	3,944	1,835	419	528
New Mexico .....	6,812	6,817	5,128	3,092	1,802	1,918
New York .....	37,396	32,200	12,609	10,397	10,274	16,724
North Carolina .....	103	10	47	91	1	11
North Dakota .....	0	0	0	0	0	0
Ohio .....	517	268	335	307	96	114
Oklahoma .....	21,059	17,752	23,009	9,394	5,205	6,460
Oregon .....	3,907	425	0	1,335	1,102	1,471
Pennsylvania .....	887	921	689	406	257	225
Rhode Island .....	6,101	6,288	5,592	1,889	1,599	2,613
South Carolina .....	150	28	18	106	11	33
South Dakota .....	111	84	18	42	6	63
Tennessee .....	0	0	29	0	0	0
Texas .....	183,897	175,240	205,185	80,475	49,071	54,351
Utah .....	452	454	425	156	144	153
Vermont .....	115	7	1	3	47	65
Virginia .....	2,527	1,370	1,818	1,197	476	853
Washington .....	619	9	148	121	5	492
West Virginia .....	78	58	62	29	29	21
Wisconsin .....	1,879	5,096	1,060	1,108	353	418
Wyoming .....	210	22	20	3	200	7
<b>Total .....</b>	<b>498,759</b>	<b>472,382</b>	<b>461,147</b>	<b>194,113</b>	<b>133,700</b>	<b>170,946</b>

See footnotes at end of table.

**Table 18. Natural Gas Deliveries to Electric Utility<sup>a</sup> Consumers,  
by State, 1996-1998**  
(Million Cubic Feet) — Continued

State	1997					
	Total	December	November	October	September	August
Alabama .....	9,996	87	296	846	1,247	2,373
Alaska .....	33,511	3,023	2,676	2,689	2,296	2,439
Arizona .....	23,384	752	400	1,544	5,106	4,809
Arkansas .....	24,802	294	375	2,295	3,377	5,270
California .....	377,967	27,218	22,372	35,085	56,405	48,127
Colorado .....	5,537	451	385	642	667	716
Connecticut .....	16,762	569	1,485	1,873	1,769	2,362
Delaware .....	16,090	700	682	356	667	1,592
District of Columbia .....	0	0	0	0	0	0
Florida .....	296,940	21,716	14,283	21,226	26,875	33,664
Georgia .....	7,341	49	124	308	1,160	2,200
Hawaii .....	0	0	0	0	0	0
Idaho .....	0	0	0	0	0	0
Illinois .....	44,606	5,019	3,906	3,796	2,374	3,806
Indiana .....	5,141	152	234	312	268	530
Iowa .....	4,123	207	251	457	234	371
Kansas .....	25,822	1,993	2,480	2,646	2,113	3,491
Kentucky .....	2,194	158	190	201	181	312
Louisiana .....	277,431	16,810	14,557	22,089	30,559	34,584
Maine .....	0	0	0	0	0	0
Maryland .....	11,004	209	364	750	623	1,051
Massachusetts .....	51,486	2,419	3,186	3,140	4,800	5,595
Michigan .....	33,288	3,028	3,135	3,243	2,921	2,851
Minnesota .....	6,097	112	139	382	289	669
Mississippi .....	73,081	4,576	4,062	5,433	8,119	11,937
Missouri .....	7,464	311	340	557	749	1,212
Montana .....	420	21	30	40	27	46
Nebraska .....	2,656	34	77	354	263	364
Nevada .....	51,776	3,651	1,804	4,368	6,212	7,833
New Hampshire .....	564	31	24	54	54	70
New Jersey .....	29,528	553	1,341	2,087	1,349	4,239
New Mexico .....	33,376	1,999	2,225	3,227	2,835	4,338
New York .....	217,493	14,715	12,693	16,569	19,701	29,767
North Carolina .....	4,511	3	25	507	433	747
North Dakota .....	1	0	0	0	0	0
Ohio .....	3,485	122	246	397	268	304
Oklahoma .....	128,822	11,407	8,236	10,068	14,026	20,504
Oregon .....	10,686	1,641	920	2,368	2,367	2,531
Pennsylvania .....	7,368	365	212	301	418	923
Rhode Island .....	27,162	2,604	2,490	2,505	2,365	2,424
South Carolina .....	2,731	35	112	240	212	422
South Dakota .....	1,730	83	90	45	88	228
Tennessee .....	1,635	0	0	209	0	328
Texas .....	1,056,582	69,623	72,461	90,971	126,102	141,943
Utah .....	4,079	178	174	135	912	1,087
Vermont .....	36	4	2	4	2	4
Virginia .....	11,571	918	381	789	583	1,476
Washington .....	2,619	187	220	164	1,191	731
West Virginia .....	219	11	2	17	15	9
Wisconsin .....	15,772	467	400	743	697	895
Wyoming .....	95	15	15	6	5	3
<b>Total .....</b>	<b>2,968,985</b>	<b>198,522</b>	<b>180,102</b>	<b>246,040</b>	<b>332,925</b>	<b>391,176</b>

See footnotes at end of table.



**Table 18. Natural Gas Deliveries to Electric Utility<sup>a</sup> Consumers,  
by State, 1996-1998**  
(Million Cubic Feet) — Continued

State	1997					
	July	June	May	April	March	February
Alabama .....	2,898	930	482	386	168	156
Alaska .....	2,734	2,579	2,902	2,923	3,593	2,438
Arizona .....	4,114	1,931	2,740	723	588	358
Arkansas .....	7,484	3,443	575	606	250	214
California .....	43,831	26,461	37,116	25,337	24,348	14,189
Colorado .....	703	337	393	264	326	259
Connecticut .....	2,474	1,400	1,169	1,260	967	1,238
Delaware .....	2,000	1,096	1,063	1,841	2,279	2,068
District of Columbia .....	0	0	0	0	0	0
Florida .....	33,336	31,395	29,651	28,108	28,965	17,145
Georgia .....	2,592	440	203	177	30	18
Hawaii .....	0	0	0	0	0	0
Idaho .....	0	0	0	0	0	0
Illinois .....	7,977	4,586	2,897	4,921	2,474	1,661
Indiana .....	1,863	796	232	221	220	151
Iowa .....	838	393	270	254	383	218
Kansas .....	6,349	3,142	1,237	847	558	413
Kentucky .....	525	170	21	117	130	80
Louisiana .....	39,937	29,959	25,574	19,124	15,862	13,616
Maine .....	0	0	0	0	0	0
Maryland .....	3,379	1,856	725	1,478	336	47
Massachusetts .....	6,031	6,223	3,821	6,630	5,273	2,793
Michigan .....	3,675	2,753	2,748	2,263	2,413	2,356
Minnesota .....	1,134	684	594	619	695	123
Mississippi .....	14,001	8,382	4,685	3,033	2,930	2,716
Missouri .....	2,789	1,022	95	173	77	52
Montana .....	115	8	7	15	18	27
Nebraska .....	878	218	108	172	81	77
Nevada .....	7,257	5,269	5,215	3,517	3,820	1,362
New Hampshire .....	11	319	0	0	0	0
New Jersey .....	8,143	4,610	1,478	1,868	2,091	1,023
New Mexico .....	4,022	2,922	2,443	2,547	2,768	1,990
New York .....	35,237	28,198	16,938	11,475	14,741	12,486
North Carolina .....	1,887	811	61	26	1	9
North Dakota .....	1	0	0	0	0	0
Ohio .....	1,073	596	106	107	71	71
Oklahoma .....	20,851	12,246	6,710	7,023	6,677	4,843
Oregon .....	306	126	3	0	171	0
Pennsylvania .....	2,722	886	294	326	324	316
Rhode Island .....	2,003	2,184	2,445	1,854	2,179	2,021
South Carolina .....	921	621	67	72	12	4
South Dakota .....	581	360	85	85	39	19
Tennessee .....	843	255	0	0	0	0
Texas .....	144,449	103,279	73,212	59,300	60,371	54,877
Utah .....	824	25	147	143	155	137
Vermont .....	4	3	3	3	3	2
Virginia .....	2,536	1,350	670	1,497	1,133	47
Washington .....	25	1	86	5	0	2
West Virginia .....	23	40	33	9	23	23
Wisconsin .....	2,168	1,686	1,851	1,768	2,154	1,773
Wyoming .....	4	13	6	6	6	7
<b>Total .....</b>	<b>427,549</b>	<b>296,004</b>	<b>231,162</b>	<b>193,124</b>	<b>189,704</b>	<b>143,428</b>

See footnotes at end of table.

**Table 18. Natural Gas Deliveries to Electric Utility<sup>a</sup> Consumers,  
by State, 1996-1998**  
(Million Cubic Feet) — Continued

State	1997	1996				
	January	Total	December	November	October	September
Alabama .....	125	6,146	291	480	384	593
Alaska .....	3,221	31,767	3,078	2,683	2,637	2,449
Arizona .....	319	19,248	443	296	2,242	2,145
Arkansas .....	619	33,988	1,226	297	201	4,215
California .....	17,478	318,035	17,182	22,900	32,454	35,564
Colorado .....	395	5,511	454	319	506	724
Connecticut .....	197	10,456	131	912	1,643	2,168
Delaware .....	1,746	23,370	1,048	2,129	2,330	2,562
District of Columbia .....	0	0	0	0	0	0
Florida .....	10,578	283,557	13,124	17,908	28,677	33,595
Georgia .....	42	4,674	43	80	9	243
Hawaii .....	0	0	0	0	0	0
Idaho .....	0	0	0	0	0	0
Illinois .....	1,188	25,863	550	1,859	1,046	2,309
Indiana .....	162	4,330	236	256	144	197
Iowa .....	247	3,491	236	232	211	277
Kansas .....	553	22,607	672	578	808	1,959
Kentucky .....	111	1,836	82	104	65	83
Louisiana .....	14,761	252,139	12,921	14,958	18,877	21,484
Maine .....	0	0	0	0	0	0
Maryland .....	185	8,455	211	263	485	1,521
Massachusetts .....	1,575	45,037	1,562	3,081	8,648	9,009
Michigan .....	1,901	32,559	2,888	3,151	2,705	3,320
Minnesota .....	656	5,301	419	403	469	602
Mississippi .....	3,207	83,251	3,671	6,561	5,392	9,812
Missouri .....	85	5,223	69	238	193	287
Montana .....	64	470	72	85	42	35
Nebraska .....	31	2,351	82	94	122	161
Nevada .....	1,468	46,766	2,311	2,458	4,266	4,900
New Hampshire .....	0	3	0	1	0	0
New Jersey .....	746	25,825	445	1,038	1,481	3,575
New Mexico .....	2,059	29,969	2,244	2,423	2,787	2,492
New York .....	4,972	142,688	5,108	10,715	14,459	21,421
North Carolina .....	0	2,381	1	1	112	75
North Dakota .....	0	3	0	0	0	1
Ohio .....	125	2,867	106	259	56	257
Oklahoma .....	6,231	136,436	6,107	8,068	9,395	13,201
Oregon .....	253	14,015	334	1,289	3,049	3,801
Pennsylvania .....	281	7,239	282	654	650	1,150
Rhode Island .....	2,088	25,071	2,167	2,449	2,424	2,236
South Carolina .....	11	1,206	20	16	23	350
South Dakota .....	26	725	35	80	5	76
Tennessee .....	0	572	0	1	0	79
Texas .....	59,992	1,039,155	51,332	59,062	75,410	90,570
Utah .....	161	3,428	142	130	133	554
Vermont .....	2	24	3	3	3	3
Virginia .....	190	10,275	333	193	473	1,677
Washington .....	6	6,590	21	358	801	2,251
West Virginia .....	12	205	43	3	1	26
Wisconsin .....	1,169	7,303	702	803	572	739
Wyoming .....	9	87	6	6	7	8
<b>Total .....</b>	<b>139,250</b>	<b>2,732,496</b>	<b>132,434</b>	<b>169,879</b>	<b>226,394</b>	<b>284,758</b>

<sup>a</sup> Includes all steam electric utility generating plants with a combined capacity of 50 megawatts or greater.

Notes: Geographic coverage is the 50 States and the District of Columbia. See Appendix A, Explanatory Note 5 for discussion of computations and revision policy.

Source: Form EIA-759, "Monthly Power Plant Report."

**Table 19. Natural Gas Deliveries to All Consumers, by State, 1996-1998**  
(Million Cubic Feet)

State	YTD 1998	YTD 1997	YTD 1996	1998		
				March	February	January
Alabama .....	92,484	85,822	95,287	29,592	29,830	33,062
Alaska .....	39,985	43,292	41,290	13,040	<sup>R</sup> 12,516	14,428
Arizona .....	38,895	33,818	31,934	12,001	12,168	14,726
Arkansas .....	71,670	73,365	77,641	24,796	23,129	23,745
California .....	546,216	493,393	468,969	151,886	190,777	203,553
Colorado .....	NA	NA	102,867	NA	<sup>R</sup> 31,209	<sup>R</sup> 34,278
Connecticut .....	44,196	45,946	45,806	13,255	14,383	16,558
Delaware .....	12,009	17,131	17,193	4,030	3,776	4,203
District of Columbia .....	13,762	14,246	14,402	4,064	4,747	4,951
Florida .....	108,611	106,827	101,384	36,986	<sup>R</sup> 33,020	<sup>R</sup> 38,605
Georgia .....	119,411	115,616	131,418	37,321	39,542	42,548
Hawaii .....	704	702	728	221	232	252
Idaho .....	22,164	21,128	21,206	6,585	7,284	8,295
Illinois .....	364,513	421,043	448,933	110,485	107,855	146,173
Indiana .....	190,807	200,860	210,179	62,620	57,078	71,110
Iowa .....	89,280	93,099	98,147	30,256	25,941	33,082
Kansas .....	86,635	90,750	97,592	29,491	26,029	31,115
Kentucky .....	69,435	75,157	82,195	21,967	21,257	26,211
Louisiana .....	318,291	318,335	341,586	110,398	95,973	111,920
Maine .....	2,045	2,123	2,112	610	<sup>R</sup> 658	777
Maryland .....	88,899	68,858	73,393	27,315	28,426	33,158
Massachusetts .....	119,014	129,006	120,704	36,408	39,778	42,828
Michigan .....	332,334	367,820	391,719	106,043	106,517	119,774
Minnesota .....	119,763	135,243	137,057	37,306	36,306	46,151
Mississippi .....	NA	51,045	57,371	NA	17,463	NA
Missouri .....	109,268	119,574	126,805	33,690	34,874	40,704
Montana .....	18,270	20,910	20,714	5,477	5,313	7,480
Nebraska .....	43,736	48,628	48,704	13,612	13,802	16,322
Nevada .....	35,919	33,700	33,013	11,071	11,832	13,015
New Hampshire .....	7,556	7,608	7,713	2,183	2,585	2,788
New Jersey .....	201,849	217,249	228,939	65,242	66,099	70,507
New Mexico .....	40,364	41,272	35,971	12,865	11,205	16,294
New York .....	NA	NA	NA	NA	NA	NA
North Carolina .....	77,319	71,046	73,569	23,352	25,906	28,061
North Dakota .....	12,470	15,002	13,179	3,853	3,944	4,673
Ohio .....	311,594	344,673	376,799	98,218	99,776	113,599
Oklahoma .....	128,697	128,287	136,973	43,151	40,846	44,699
Oregon .....	NA	48,366	44,457	NA	17,736	21,237
Pennsylvania .....	223,314	250,342	278,013	72,421	75,456	75,437
Rhode Island .....	25,201	26,073	23,435	7,900	7,949	9,352
South Carolina .....	50,835	44,690	44,751	15,673	17,097	18,065
South Dakota .....	11,497	13,794	13,905	3,588	3,464	4,445
Tennessee .....	NA	NA	96,978	31,153	28,238	NA
Texas .....	NA	870,755	925,536	267,191	NA	264,962
Utah .....	49,176	48,812	46,503	14,697	16,652	17,827
Vermont .....	3,205	3,185	3,020	918	1,085	1,202
Virginia .....	80,395	79,992	89,626	25,191	27,386	27,819
Washington .....	NA	75,321	74,506	NA	NA	NA
West Virginia .....	39,066	37,146	43,652	12,446	12,991	13,629
Wisconsin .....	134,720	155,514	158,639	44,076	39,114	51,531
Wyoming .....	NA	22,813	22,033	NA	NA	NA
<b>Total .....</b>	<b>6,022,335</b>	<b>6,344,765</b>	<b>6,569,848</b>	<b>1,923,223</b>	<b><sup>R</sup>1,908,066</b>	<b><sup>R</sup>2,191,046</b>

See footnotes at end of table.

**Table 19. Natural Gas Deliveries to All Consumers, by State, 1996-1998**  
(Million Cubic Feet) — Continued

State	1997					
	Total	December	November	October	September	August
Alabama .....	298,692	30,497	24,708	21,550	21,022	23,525
Alaska .....	145,913	14,808	12,235	12,792	8,608	10,340
Arizona .....	<sup>R</sup> 112,612	11,607	7,012	6,690	10,654	9,864
Arkansas .....	243,839	23,868	19,870	17,463	16,495	19,314
California .....	1,849,819	186,761	145,591	139,946	162,462	155,621
Colorado .....	NA	NA	NA	NA	NA	NA
Connecticut .....	132,962	15,668	11,727	8,439	6,691	7,568
Delaware .....	46,397	4,350	3,196	2,090	2,190	2,970
District of Columbia .....	32,732	4,605	2,768	1,452	1,245	1,226
Florida .....	<sup>R</sup> 481,758	<sup>R</sup> 39,073	<sup>R</sup> 29,623	<sup>R</sup> 35,594	<sup>R</sup> 40,869	<sup>R</sup> 47,412
Georgia .....	350,085	40,563	35,202	23,556	20,016	21,344
Hawaii .....	2,692	230	293	209	206	201
Idaho .....	61,769	7,188	5,520	4,450	3,482	3,021
Illinois .....	1,064,270	132,686	111,168	70,463	42,621	40,557
Indiana .....	556,723	68,314	53,950	36,918	27,578	26,544
Iowa .....	247,128	30,098	24,723	17,401	11,705	11,634
Kansas .....	<sup>R</sup> 269,575	<sup>R</sup> 30,998	<sup>R</sup> 24,659	<sup>R</sup> 15,783	<sup>R</sup> 13,484	<sup>R</sup> 16,116
Kentucky .....	204,648	26,970	21,324	14,326	9,949	9,434
Louisiana .....	<sup>R</sup> 1,337,463	109,377	101,574	109,871	116,287	121,396
Maine .....	6,247	733	692	486	329	294
Maryland .....	202,721	31,215	17,537	11,517	9,389	10,095
Massachusetts .....	379,218	38,422	30,307	23,079	20,467	22,754
Michigan .....	936,410	111,072	88,305	55,632	41,554	39,709
Minnesota .....	<sup>R</sup> 339,424	<sup>R</sup> 40,348	<sup>R</sup> 36,525	<sup>R</sup> 21,652	<sup>R</sup> 12,960	<sup>R</sup> 14,158
Mississippi .....	NA	18,874	15,871	14,057	15,017	NA
Missouri .....	275,142	35,563	24,674	12,066	9,892	10,007
Montana .....	53,469	7,288	5,208	3,676	2,248	2,129
Nebraska .....	<sup>R</sup> 124,391	13,794	9,888	6,785	5,118	6,824
Nevada .....	129,853	12,615	8,017	9,346	10,860	12,430
New Hampshire .....	21,006	2,442	1,785	1,291	918	893
New Jersey .....	592,136	68,929	50,492	34,828	28,939	32,427
New Mexico .....	120,759	16,263	10,735	7,477	6,667	8,136
New York .....	NA	NA	NA	<sup>R</sup> 76,363	NA	NA
North Carolina .....	212,766	25,256	18,008	13,573	12,137	12,973
North Dakota .....	<sup>R</sup> 34,445	3,774	3,211	1,875	1,327	1,314
Ohio .....	877,213	108,921	85,201	56,541	37,252	34,992
Oklahoma .....	450,167	44,734	33,511	29,633	33,919	41,269
Oregon .....	158,903	19,412	14,439	13,513	12,168	12,426
Pennsylvania .....	652,300	79,331	62,304	40,177	28,814	26,622
Rhode Island .....	82,097	8,705	7,313	5,310	4,739	4,757
South Carolina .....	<sup>R</sup> 163,195	16,684	12,984	10,286	11,465	12,538
South Dakota .....	32,342	3,736	3,059	1,587	1,153	1,210
Tennessee .....	NA	31,651	20,204	16,202	16,619	16,625
Texas .....	NA	300,576	272,820	278,581	NA	336,135
Utah .....	137,598	20,208	13,507	10,682	6,491	6,865
Vermont .....	8,055	988	724	529	345	293
Virginia .....	231,361	28,898	19,787	13,199	11,565	14,326
Washington .....	NA	NA	NA	NA	NA	NA
West Virginia .....	<sup>R</sup> 114,609	<sup>R</sup> 14,147	<sup>R</sup> 11,362	<sup>R</sup> 7,498	6,025	6,001
Wisconsin .....	397,071	47,427	41,410	26,493	16,641	15,927
Wyoming .....	<sup>R</sup> 71,175	<sup>R</sup> 6,697	6,583	5,250	3,538	4,271
<b>Total</b> .....	<sup>R</sup> 20,033,077	<sup>R</sup> 2,133,204	<sup>R</sup> 1,720,313	<sup>R</sup> 1,382,514	<sup>R</sup> 1,299,623	<sup>R</sup> 1,374,183

See footnotes at end of table.

**Table 19. Natural Gas Deliveries to All Consumers, by State, 1996-1998**

(Million Cubic Feet) — Continued

State	1997					
	July	June	May	April	March	February
Alabama .....	24,635	20,567	22,424	23,941	24,993	29,657
Alaska .....	10,332	10,193	10,855	12,458	14,835	12,702
Arizona .....	9,318	7,231	8,784	<sup>R</sup> 7,634	<sup>R</sup> 10,327	<sup>R</sup> 11,108
Arkansas .....	21,430	17,499	16,456	18,079	20,701	24,893
California .....	154,451	125,478	142,936	143,180	153,401	162,740
Colorado .....	NA	NA	NA	NA	NA	NA
Connecticut .....	7,758	7,207	8,957	13,002	14,461	16,153
Delaware .....	3,505	2,852	3,347	4,765	5,651	5,917
District of Columbia .....	1,202	1,513	2,317	2,158	4,232	4,971
Florida .....	<sup>R</sup> 47,771	<sup>R</sup> 45,693	<sup>R</sup> 45,019	<sup>R</sup> 43,877	<sup>R</sup> 44,868	<sup>R</sup> 33,719
Georgia .....	21,371	19,045	24,082	29,290	30,048	40,351
Hawaii .....	218	211	207	215	226	237
Idaho .....	3,441	3,556	4,298	5,685	6,454	7,128
Illinois .....	46,870	44,620	64,781	89,460	117,095	132,731
Indiana .....	26,996	29,386	39,518	46,657	58,071	64,849
Iowa .....	11,505	11,581	15,100	20,283	25,468	28,940
Kansas .....	<sup>R</sup> 23,844	<sup>R</sup> 15,726	<sup>R</sup> 17,059	<sup>R</sup> 21,157	<sup>R</sup> 25,250	<sup>R</sup> 29,831
Kentucky .....	9,646	9,592	12,569	15,682	19,924	23,491
Louisiana .....	123,951	115,741	113,669	107,263	<sup>R</sup> 102,673	104,512
Maine .....	271	323	434	562	702	643
Maryland .....	12,430	11,965	12,410	17,306	20,426	23,169
Massachusetts .....	23,347	28,231	25,392	38,213	42,550	44,676
Michigan .....	26,729	47,754	70,254	87,580	111,995	120,468
Minnesota .....	<sup>R</sup> 14,512	<sup>R</sup> 14,920	<sup>R</sup> 20,146	<sup>R</sup> 28,959	<sup>R</sup> 40,103	<sup>R</sup> 43,694
Mississippi .....	NA	NA	13,189	13,005	14,795	17,431
Missouri .....	12,149	11,954	15,126	24,138	28,568	45,769
Montana .....	1,983	2,266	3,230	4,531	5,832	6,646
Nebraska .....	8,142	<sup>R</sup> 5,797	<sup>R</sup> 8,296	<sup>R</sup> 11,121	<sup>R</sup> 13,855	<sup>R</sup> 16,008
Nevada .....	11,759	10,179	11,093	9,855	12,098	10,278
New Hampshire .....	810	1,302	1,843	2,115	2,437	2,626
New Jersey .....	35,789	33,917	39,326	50,239	74,024	65,637
New Mexico .....	7,917	6,160	8,284	7,848	11,457	13,677
New York .....	NA	NA	NA	NA	NA	NA
North Carolina .....	13,611	13,375	15,140	17,647	19,958	25,811
North Dakota .....	<sup>R</sup> 1,159	1,384	2,260	3,140	4,558	5,115
Ohio .....	35,483	39,117	59,664	75,370	98,118	113,373
Oklahoma .....	40,796	33,405	30,523	34,088	37,995	43,503
Oregon .....	9,439	7,779	9,529	11,832	14,323	15,519
Pennsylvania .....	29,436	30,381	44,874	60,019	73,750	84,428
Rhode Island .....	5,072	5,713	6,909	7,506	8,621	8,649
South Carolina .....	19,535	10,987	11,697	<sup>R</sup> 12,329	13,572	<sup>R</sup> 15,461
South Dakota .....	1,397	1,503	2,004	2,900	3,604	4,506
Tennessee .....	14,883	NA	18,028	21,621	NA	34,363
Texas .....	333,317	288,867	263,252	251,146	285,767	<sup>R</sup> 269,998
Utah .....	6,734	5,981	6,869	11,451	13,240	16,675
Vermont .....	285	354	569	782	1,048	1,059
Virginia .....	14,545	11,949	16,730	20,370	21,630	27,864
Washington .....	NA	NA	18,287	16,880	23,019	24,824
West Virginia .....	5,547	6,088	8,410	12,384	9,734	13,142
Wisconsin .....	16,856	16,978	26,124	33,702	46,172	48,115
Wyoming .....	4,475	4,900	6,272	6,374	6,938	6,883
<b>Total .....</b>	<sup>R</sup> 1,405,613	<sup>R</sup> 1,296,177	<sup>R</sup> 1,442,852	<sup>R</sup> 1,633,833	<sup>R</sup> 1,929,663	<sup>R</sup> 2,085,547

See footnotes at end of table.

**Table 19. Natural Gas Deliveries to All Consumers, by State, 1996-1998**

(Million Cubic Feet) — Continued

State	1997	1996				
	January	Total	December	November	October	September
Alabama .....	31,172	293,084	27,094	22,883	21,529	19,832
Alaska .....	15,755	150,877	15,528	13,584	12,633	10,943
Arizona .....	<sup>R</sup> 12,383	103,037	10,289	7,516	7,435	6,972
Arkansas .....	27,771	252,585	23,939	18,699	14,990	17,185
California .....	177,251	1,721,217	166,541	147,022	138,842	136,901
Colorado .....	NA	269,006	33,157	22,968	13,807	11,994
Connecticut .....	15,331	126,488	13,888	10,932	8,990	7,570
Delaware .....	5,563	54,020	4,253	4,459	4,236	4,104
District of Columbia .....	5,042	33,644	4,731	2,448	1,382	1,175
Florida .....	<sup>R</sup> 28,239	478,471	29,697	33,713	43,317	48,450
Georgia .....	45,217	374,882	42,005	36,037	24,688	21,145
Hawaii .....	239	2,672	220	200	209	213
Idaho .....	7,546	61,058	6,736	5,424	4,267	3,588
Illinois .....	171,217	1,104,972	149,698	121,461	65,883	42,305
Indiana .....	77,941	561,056	64,588	52,504	35,148	26,545
Iowa .....	38,690	260,140	33,840	27,088	15,392	11,602
Kansas .....	<sup>R</sup> 35,669	275,508	33,619	24,789	13,341	13,359
Kentucky .....	31,742	207,529	25,797	22,270	12,879	9,256
Louisiana .....	<sup>R</sup> 111,149	1,382,966	108,393	NA	NA	112,202
Maine .....	778	5,722	601	619	478	291
Maryland .....	25,264	189,901	22,026	16,766	10,847	9,705
Massachusetts .....	41,780	355,609	36,513	31,385	28,511	24,573
Michigan .....	135,357	980,555	114,489	91,489	55,831	42,722
Minnesota .....	<sup>R</sup> 51,447	348,671	47,484	36,773	21,889	14,156
Mississippi .....	18,819	216,524	16,183	16,579	14,771	18,125
Missouri .....	45,237	286,814	37,323	24,218	12,436	9,811
Montana .....	8,432	55,584	7,466	5,870	3,712	2,549
Nebraska .....	<sup>R</sup> 18,765	128,297	16,087	10,994	8,322	5,903
Nevada .....	11,324	122,449	10,973	9,050	8,977	9,476
New Hampshire .....	2,545	19,031	2,155	1,895	1,144	761
New Jersey .....	77,588	599,810	76,491	50,284	33,981	29,492
New Mexico .....	16,137	113,059	13,633	10,437	7,281	6,165
New York .....	NA	1,121,742	NA	NA	NA	NA
North Carolina .....	25,277	205,783	23,182	17,666	14,099	11,058
North Dakota .....	5,328	32,670	4,544	3,497	1,900	1,219
Ohio .....	133,181	915,035	111,994	87,340	54,686	34,327
Oklahoma .....	46,790	460,373	42,614	33,004	30,251	33,379
Oregon .....	18,524	160,626	17,626	15,293	14,369	13,598
Pennsylvania .....	92,163	684,022	80,392	65,415	41,287	29,057
Rhode Island .....	8,803	82,041	8,359	7,830	6,999	6,206
South Carolina .....	<sup>R</sup> 15,657	146,434	15,449	12,527	10,815	9,849
South Dakota .....	5,684	33,594	4,805	3,425	1,677	1,171
Tennessee .....	33,577	256,053	30,041	23,454	15,496	13,863
Texas .....	<sup>R</sup> 314,990	3,585,201	284,720	261,074	NA	292,962
Utah .....	18,897	129,651	16,258	12,727	10,013	7,809
Vermont .....	1,078	7,325	844	698	440	300
Virginia .....	30,499	230,140	28,550	20,832	12,795	10,655
Washington .....	27,478	231,767	26,206	21,913	17,092	15,904
West Virginia .....	14,271	115,622	13,051	10,306	7,541	6,489
Wisconsin .....	61,227	398,581	50,811	43,208	25,032	16,019
Wyoming .....	8,992	73,609	8,146	7,382	6,411	4,324
<b>Total .....</b>	<sup>R</sup> 2,329,554	20,005,508	2,086,126	1,731,770	1,377,692	1,252,627

<sup>R</sup> = Revised Data.

NA = Not Available.

Notes: Geographic coverage is the 50 States and the District of Columbia. Gas volumes delivered for use as vehicle fuel are included in the annual total for commercial deliveries but not in the monthly components. See Appendix A, Explanatory Note 5 for discussion of computations and revision policy.

Source: Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers" and Form EIA-759, "Monthly Power Plant Report."

**Table 20. Average City Gate Price, by State, 1996-1998**

(Dollars per Thousand Cubic Feet)

State	YTD 1998	YTD 1997	YTD 1996	1998			1997	
				March	February	January	Total	December
Alabama .....	3.05	3.98	3.21	3.03	2.93	3.18	3.65	2.60
Alaska .....	1.74	1.85	1.58	1.73	1.72	1.75	1.81	1.82
Arizona .....	2.42	3.26	2.14	2.55	2.28	2.46	3.15	2.53
Arkansas .....	3.03	3.50	2.53	3.13	2.85	3.09	3.23	3.19
California .....	2.29	3.28	2.32	2.38	2.12	2.35	2.98	2.65
Colorado .....	NA	NA	2.13	NA	NA	NA	NA	NA
Connecticut .....	5.12	5.58	5.22	4.87	5.24	5.23	5.04	4.73
Delaware .....	2.81	5.20	3.57	2.73	3.02	2.71	3.69	2.40
District of Columbia .....	—	—	—	—	—	—	—	—
Florida .....	3.43	4.44	3.76	3.25	3.20	3.81	3.97	3.85
Georgia .....	3.46	4.28	3.63	3.85	3.18	3.43	3.99	3.67
Hawaii .....	6.13	6.79	5.54	6.25	5.75	6.40	6.44	6.23
Idaho .....	1.88	2.15	2.05	1.81	1.94	1.89	2.12	1.79
Illinois .....	2.81	3.34	3.25	2.81	2.85	2.78	3.28	2.92
Indiana .....	2.42	3.35	3.16	2.32	2.48	2.49	3.02	2.64
Iowa .....	3.56	3.63	2.81	3.42	3.33	3.80	4.05	4.44
Kansas .....	3.04	3.69	2.67	2.86	2.73	3.56	NA	NA
Kentucky .....	3.18	3.77	3.18	3.23	3.09	3.22	3.83	4.07
Louisiana .....	2.67	3.39	3.38	2.53	2.65	2.81	3.05	2.85
Maine .....	3.25	4.31	3.95	3.25	3.25	3.25	3.84	3.10
Maryland .....	3.33	3.80	3.59	3.44	3.43	2.96	4.01	3.37
Massachusetts .....	3.23	3.67	3.33	3.30	2.89	3.40	3.95	4.03
Michigan .....	2.93	3.37	3.06	2.97	2.89	2.94	2.99	3.19
Minnesota .....	3.07	3.66	2.83	3.00	2.90	3.27	3.67	4.06
Mississippi .....	NA	3.68	3.32	NA	2.99	NA	NA	3.31
Missouri .....	2.97	3.58	2.56	2.97	2.99	2.96	3.74	3.13
Montana .....	2.54	3.39	2.78	2.50	2.41	2.71	3.16	2.51
Nebraska .....	3.40	3.83	2.61	2.98	2.70	4.71	4.24	5.31
Nevada .....	3.08	3.62	2.48	3.29	3.00	3.03	3.39	2.84
New Hampshire .....	3.80	4.47	4.07	3.93	3.74	3.77	4.10	3.72
New Jersey .....	3.74	4.33	3.59	3.53	3.38	4.37	4.17	3.77
New Mexico .....	2.16	2.76	1.53	2.20	2.02	2.24	2.53	2.31
New York .....	NA	NA	3.48	NA	NA	NA	NA	NA
North Carolina .....	3.54	4.15	3.64	3.49	3.47	3.65	3.97	3.72
North Dakota .....	2.90	3.52	2.75	2.91	2.85	2.93	3.38	3.01
Ohio .....	4.66	5.23	3.83	4.87	4.27	4.82	5.16	4.35
Oklahoma .....	2.64	3.47	2.55	2.38	2.61	2.86	3.12	3.32
Oregon .....	NA	2.46	2.06	NA	2.31	2.53	2.58	2.42
Pennsylvania .....	4.16	3.98	3.22	5.26	3.64	3.68	4.06	3.71
Rhode Island .....	3.55	4.12	3.67	3.38	3.35	3.93	4.49	4.02
South Carolina .....	3.26	3.81	3.91	3.34	3.05	3.37	3.81	3.72
South Dakota .....	3.12	3.71	2.71	2.60	3.66	3.22	3.66	3.46
Tennessee .....	NA	NA	4.15	2.42	3.84	NA	NA	3.63
Texas .....	3.02	4.14	3.13	2.84	2.87	3.26	3.67	3.97
Utah .....	3.38	2.70	2.23	3.23	3.68	3.25	2.79	3.46
Vermont .....	2.70	1.96	2.86	2.92	2.66	2.59	2.33	2.64
Virginia .....	3.62	4.26	3.62	3.25	3.63	3.97	4.13	3.65
Washington .....	NA	2.71	2.03	NA	NA	NA	NA	NA
West Virginia .....	3.20	3.21	3.14	3.15	3.15	3.34	3.16	2.99
Wisconsin .....	3.18	3.60	2.85	3.33	2.99	3.21	3.80	4.93
Wyoming .....	NA	3.69	2.45	3.29	3.31	NA	3.13	3.20
<b>Total</b> .....	3.20	3.79	3.16	3.22	3.09	3.28	3.61	3.48

See footnotes at end of table.

**Table 20. Average City Gate Price, by State, 1996-1998**

(Dollars per Thousand Cubic Feet) — Continued

State	1997							
	November	October	September	August	July	June	May	April
Alabama .....	3.97	4.17	3.83	3.88	4.10	3.86	3.54	3.16
Alaska .....	1.82	1.78	1.79	1.73	1.74	1.70	1.78	1.81
Arizona .....	3.48	3.80	3.74	3.16	2.98	3.32	3.18	2.61
Arkansas .....	3.44	3.61	2.87	3.28	2.78	2.77	2.59	2.48
California .....	3.30	3.18	2.74	2.79	3.72	2.67	2.55	2.30
Colorado .....	NA	NA	NA	NA	NA	NA	NA	NA
Connecticut .....	3.87	5.79	5.29	5.33	4.55	4.76	4.81	4.94
Delaware .....	5.73	5.23	1.04	4.07	3.51	3.44	3.20	3.00
District of Columbia .....	—	—	—	—	—	—	—	—
Florida .....	4.45	4.64	3.82	3.31	3.41	3.50	3.09	3.62
Georgia .....	4.04	4.03	5.29	3.90	3.96	4.37	3.20	3.08
Hawaii .....	—	6.09	6.11	6.35	6.59	5.46	6.47	7.21
Idaho .....	2.07	2.01	2.17	2.50	2.16	2.83	2.98	2.08
Illinois .....	3.72	4.07	3.78	3.37	2.81	3.11	3.06	2.48
Indiana .....	3.21	3.88	3.15	2.87	2.54	2.35	2.32	2.07
Iowa .....	4.84	4.99	5.39	5.86	6.62	4.74	3.49	2.83
Kansas .....	4.29	3.61	3.47	3.11	2.88	3.02	2.85	2.38
Kentucky .....	4.28	3.89	3.57	3.62	3.68	3.69	3.30	3.62
Louisiana .....	3.73	3.43	3.01	2.56	2.58	2.63	2.40	2.36
Maine .....	2.72	4.11	3.79	4.43	4.34	4.53	4.69	3.43
Maryland .....	4.22	4.69	5.77	6.05	5.81	4.34	4.15	3.15
Massachusetts .....	4.14	4.52	4.58	4.91	5.29	5.61	2.86	3.26
Michigan .....	3.51	3.12	2.87	2.63	2.54	2.69	2.60	2.56
Minnesota .....	4.52	4.26	4.02	2.97	3.92	3.49	2.64	2.41
Mississippi .....	3.83	NA	NA	NA	NA	2.95	2.43	2.89
Missouri .....	3.91	4.63	5.08	4.79	4.61	5.31	3.95	3.11
Montana .....	3.15	4.47	3.76	3.96	3.63	3.91	2.28	3.09
Nebraska .....	6.30	5.76	7.03	5.51	4.96	4.09	3.11	2.28
Nevada .....	3.71	3.46	4.12	3.99	3.87	3.64	2.72	2.81
New Hampshire .....	4.02	3.95	3.79	4.45	4.28	4.34	3.66	3.15
New Jersey .....	4.49	4.74	4.22	4.41	4.29	4.21	3.86	3.15
New Mexico .....	2.85	2.59	2.62	2.18	2.13	2.13	2.04	1.91
New York .....	NA	NA	3.42	NA	NA	NA	NA	NA
North Carolina .....	4.09	3.95	4.13	3.96	3.90	3.84	3.83	3.40
North Dakota .....	4.01	3.73	3.53	3.36	3.14	3.17	2.95	2.50
Ohio .....	4.66	5.09	4.91	5.51	7.16	6.17	5.96	5.79
Oklahoma .....	3.19	3.04	2.58	2.66	3.23	2.66	2.22	2.22
Oregon .....	2.73	2.48	3.12	4.01	3.45	3.00	3.02	1.95
Pennsylvania .....	4.32	4.60	4.56	4.36	4.03	4.90	4.30	3.48
Rhode Island .....	4.46	4.53	5.71	6.64	7.53	6.42	4.81	3.46
South Carolina .....	4.13	4.15	4.03	3.86	3.74	3.78	3.54	3.25
South Dakota .....	3.68	3.53	4.03	4.26	4.40	4.58	3.75	3.02
Tennessee .....	2.02	4.33	2.78	2.51	2.71	NA	2.96	2.51
Texas .....	3.86	3.58	3.21	3.11	3.23	3.01	2.50	2.38
Utah .....	3.07	2.64	2.81	3.02	2.83	2.35	1.93	2.15
Vermont .....	2.77	2.34	2.29	2.33	2.41	2.58	2.77	2.39
Virginia .....	4.15	4.83	4.69	4.47	3.94	3.77	5.12	3.28
Washington .....	NA	NA	NA	NA	NA	2.28	2.53	2.70
West Virginia .....	3.07	3.66	3.53	3.89	1.85	3.90	3.02	2.88
Wisconsin .....	3.75	3.91	4.52	4.75	3.68	4.82	3.39	3.12
Wyoming .....	3.61	3.02	3.35	2.90	2.94	2.85	1.64	2.48
<b>Total .....</b>	<b>3.86</b>	<b>3.93</b>	<b>3.60</b>	<b>3.45</b>	<b>3.61</b>	<b>3.44</b>	<b>3.16</b>	<b>2.94</b>

See footnotes at end of table.



**Table 20. Average City Gate Price, by State, 1996-1998**

(Dollars per Thousand Cubic Feet) — Continued

State	1997			1996				
	March	February	January	Total	December	November	October	September
Alabama .....	3.20	4.02	4.44	3.48	4.07	3.61	3.44	3.62
Alaska .....	1.84	1.80	1.88	1.58	1.59	1.60	1.55	1.57
Arizona .....	2.22	2.85	4.21	2.78	4.14	3.32	2.66	3.02
Arkansas .....	2.46	3.16	4.18	2.76	3.68	3.04	2.46	2.29
California .....	2.25	3.21	4.14	2.59	3.81	3.00	2.37	2.34
Colorado .....	NA	NA	NA	2.70	4.91	3.13	2.58	2.49
Connecticut .....	4.82	6.00	5.82	5.11	6.15	4.60	4.46	4.65
Delaware .....	4.16	5.09	6.92	3.68	4.96	3.66	2.94	3.03
District of Columbia .....	—	—	—	—	—	—	—	—
Florida .....	4.04	4.56	4.61	3.73	4.80	3.90	3.28	3.03
Georgia .....	3.31	4.15	4.80	3.77	4.65	3.71	3.17	3.31
Hawaii .....	6.50	7.73	6.16	6.05	6.67	6.30	6.33	6.00
Idaho .....	1.85	2.13	2.37	2.24	2.30	2.10	2.11	2.72
Illinois .....	2.43	3.30	3.79	3.27	4.05	3.25	2.65	2.80
Indiana .....	2.31	3.20	4.08	3.09	3.83	3.16	2.49	2.04
Iowa .....	3.05	3.66	3.98	3.47	4.09	3.46	3.12	4.28
Kansas .....	2.67	3.67	4.37	3.05	3.77	3.38	2.91	2.63
Kentucky .....	3.40	3.47	4.17	3.41	4.40	3.59	2.94	3.16
Louisiana .....	2.44	3.49	3.84	3.13	4.30	3.24	2.31	2.26
Maine .....	4.26	3.52	4.96	4.30	4.34	3.64	3.93	3.91
Maryland .....	3.32	3.75	4.14	4.02	4.65	3.75	3.65	5.61
Massachusetts .....	2.97	4.12	4.30	3.98	4.82	3.72	3.60	5.36
Michigan .....	2.66	3.28	3.98	2.90	3.73	3.07	2.49	2.31
Minnesota .....	2.70	3.48	4.51	3.07	3.78	3.19	2.65	2.91
Mississippi .....	2.82	3.48	4.25	3.27	4.34	3.14	2.67	2.59
Missouri .....	2.78	3.50	4.05	3.25	4.03	3.20	3.47	4.14
Montana .....	2.70	3.50	3.73	3.03	3.46	3.04	3.08	3.24
Nebraska .....	3.02	3.75	4.42	3.07	3.99	3.11	2.93	2.85
Nevada .....	2.96	3.37	4.13	3.10	3.97	3.46	2.96	3.26
New Hampshire .....	3.99	4.42	4.93	4.20	5.01	4.15	3.19	3.86
New Jersey .....	3.99	4.20	4.70	3.84	4.82	3.83	3.25	3.69
New Mexico .....	1.38	2.39	3.85	1.99	3.60	2.68	1.88	1.66
New York .....	NA	NA	NA	3.36	4.38	3.03	2.86	2.61
North Carolina .....	3.51	4.34	4.36	3.74	4.26	3.48	3.22	3.68
North Dakota .....	2.43	3.59	4.22	2.94	3.80	3.10	2.49	2.54
Ohio .....	5.01	5.41	5.24	4.37	4.79	4.95	5.06	6.12
Oklahoma .....	3.09	3.68	3.52	2.56	2.84	2.44	1.99	2.53
Oregon .....	1.92	2.35	2.95	2.42	2.95	2.41	2.24	2.98
Pennsylvania .....	3.48	4.12	4.22	3.77	4.24	3.92	3.85	4.39
Rhode Island .....	3.16	4.26	4.85	4.41	5.20	4.04	3.91	5.94
South Carolina .....	2.95	3.97	4.20	3.90	4.60	3.76	3.26	3.53
South Dakota .....	2.78	3.95	4.10	3.19	3.98	3.37	2.87	3.40
Tennessee .....	NA	3.73	4.10	4.04	6.64	3.71	2.92	3.40
Texas .....	3.01	4.16	4.70	3.22	4.21	3.49	2.73	2.87
Utah .....	2.69	2.76	2.65	2.25	2.39	3.32	1.66	2.22
Vermont .....	2.26	2.16	1.57	2.74	2.67	2.49	2.18	2.36
Virginia .....	3.49	3.96	5.04	3.89	5.13	3.69	3.34	3.40
Washington .....	1.89	2.62	3.45	2.44	3.14	2.50	1.94	2.71
West Virginia .....	2.17	3.54	3.61	3.36	3.53	3.25	3.57	3.74
Wisconsin .....	2.89	3.54	4.13	3.43	4.12	3.61	3.17	4.11
Wyoming .....	3.19	3.61	4.22	2.36	2.55	2.18	1.91	2.84
<b>Total .....</b>	<b>3.06</b>	<b>3.78</b>	<b>4.27</b>	<b>3.34</b>	<b>4.18</b>	<b>3.46</b>	<b>2.94</b>	<b>3.05</b>

NA = Not Available.

— = Not Applicable.

Notes: Geographic coverage is the 50 States and the District of Columbia. Prices in this table represent the average price of natural gas by State at the point where the gas transferred from a pipeline to a local distribution company within the State. See Appendix A, Explanatory Note 5 for discussion of computations and revision policy.

Source: Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers."

**Table 21. Average Price of Natural Gas Delivered to Residential Consumers, by State, 1996-1998**  
(Dollars per Thousand Cubic Feet)

State	YTD 1998	YTD 1997	YTD 1996	1998			1997	
				March	February	January	Total	December
Alabama .....	7.19	7.85	6.35	7.00	7.10	7.41	8.39	7.32
Alaska .....	3.63	3.68	3.32	3.71	<sup>R</sup> 3.65	3.56	3.78	3.62
Arizona .....	7.33	6.80	6.78	7.39	7.40	7.23	7.80	7.59
Arkansas .....	7.33	6.25	5.30	6.41	6.50	9.42	6.64	6.23
California .....	6.87	6.31	6.35	6.78	6.49	7.28	6.82	7.20
Colorado .....	NA	NA	4.11	NA	NA	NA	NA	NA
Connecticut .....	10.30	10.39	9.89	10.18	10.33	10.36	10.31	9.18
Delaware .....	8.10	7.73	6.36	8.15	8.08	8.07	8.42	8.11
District of Columbia .....	8.70	9.31	8.49	8.62	8.44	9.01	9.47	9.45
Florida .....	10.43	10.98	9.40	10.51	<sup>R</sup> 10.47	<sup>R</sup> 10.33	12.71	12.58
Georgia .....	6.13	7.31	5.51	5.78	6.15	6.40	7.45	6.11
Hawaii .....	20.11	22.99	18.66	19.87	20.46	19.99	21.71	20.40
Idaho .....	5.10	4.84	5.01	5.18	5.14	5.01	5.11	4.98
Illinois .....	4.89	6.02	4.54	4.90	4.91	4.88	5.95	5.39
Indiana .....	6.09	6.02	4.83	6.13	7.04	5.42	6.37	5.54
Iowa .....	5.12	5.71	4.65	4.79	4.97	5.49	6.27	6.09
Kansas .....	5.80	6.33	5.08	5.76	5.80	5.82	6.47	5.96
Kentucky .....	5.41	6.03	4.85	5.25	5.47	5.48	6.48	6.49
Louisiana .....	5.71	6.91	5.76	5.28	5.60	6.10	7.24	6.38
Maine .....	7.90	8.45	7.54	7.90	7.90	7.90	8.47	8.36
Maryland .....	7.42	7.57	6.89	7.53	7.36	7.38	8.21	7.61
Massachusetts .....	9.27	9.62	8.99	9.37	9.26	9.19	9.54	10.09
Michigan .....	4.82	4.94	4.52	4.69	4.92	4.85	5.15	4.93
Minnesota .....	5.11	5.82	4.93	5.18	5.11	5.07	5.79	5.17
Mississippi .....	NA	5.80	5.27	NA	5.39	NA	NA	5.67
Missouri .....	5.94	6.37	5.28	5.58	5.86	6.30	6.57	6.45
Montana .....	4.94	4.53	4.60	4.97	5.03	4.87	5.07	5.33
Nebraska .....	5.00	5.71	4.33	4.74	4.93	5.28	5.87	6.19
Nevada .....	6.69	5.68	5.74	6.80	6.79	6.53	6.29	6.20
New Hampshire .....	8.38	9.23	7.23	8.50	8.38	8.30	8.48	8.46
New Jersey .....	7.34	7.53	6.77	7.39	7.23	7.41	7.85	7.48
New Mexico .....	4.34	5.26	4.04	4.55	5.23	3.72	5.75	3.61
New York .....	NA	10.12	8.11	NA	NA	NA	10.32	10.22
North Carolina .....	8.04	8.95	6.72	7.77	7.93	8.33	9.00	8.05
North Dakota .....	4.65	4.32	4.28	4.79	4.68	4.52	4.93	5.57
Ohio .....	6.00	6.70	5.21	5.97	5.75	6.25	6.75	6.20
Oklahoma .....	5.57	6.01	4.90	5.43	5.73	5.56	6.35	5.56
Oregon .....	NA	5.77	5.99	NA	6.44	6.09	6.11	5.89
Pennsylvania .....	8.54	7.89	6.57	8.05	8.03	9.60	8.33	7.76
Rhode Island .....	8.90	9.11	7.70	9.03	8.86	8.83	9.61	8.97
South Carolina .....	8.17	8.80	7.11	8.02	8.27	8.17	8.60	7.98
South Dakota .....	5.12	5.20	4.49	5.31	5.07	5.01	5.75	5.94
Tennessee .....	NA	NA	5.89	5.96	6.31	NA	NA	6.81
Texas .....	5.73	6.07	5.14	5.14	6.58	5.42	6.41	5.67
Utah .....	5.70	4.96	4.41	5.51	5.73	5.83	5.10	5.25
Vermont .....	6.24	6.05	6.03	6.30	6.23	6.19	6.41	6.21
Virginia .....	7.98	8.24	6.99	7.75	8.05	8.11	8.83	8.42
Washington .....	NA	5.42	5.42	NA	NA	NA	NA	NA
West Virginia .....	6.53	6.71	6.67	6.57	6.51	6.51	<sup>R</sup> 6.76	<sup>R</sup> 5.83
Wisconsin .....	6.07	6.61	5.86	6.28	5.98	5.96	6.53	6.37
Wyoming .....	NA	3.77	4.18	5.13	5.14	NA	<sup>R</sup> 4.54	<sup>R</sup> 6.24
<b>Total .....</b>	<b>6.36</b>	<b>6.70</b>	<b>5.78</b>	<b>6.24</b>	<sup>R</sup> <b>6.39</b>	<b>6.42</b>	<sup>R</sup> <b>6.93</b>	<sup>R</sup> <b>6.55</b>

See footnotes at end of table.

**Table 21. Average Price of Natural Gas Delivered to Residential Consumers, by State, 1996-1998**

(Dollars per Thousand Cubic Feet) — Continued

State	1997							
	November	October	September	August	July	June	May	April
Alabama .....	7.99	11.10	11.62	11.70	11.26	10.45	8.69	9.21
Alaska .....	3.69	3.75	3.94	4.66	4.43	4.27	3.88	3.75
Arizona .....	9.17	11.33	9.10	10.54	10.05	9.59	8.68	7.93
Arkansas .....	6.40	8.66	9.53	9.25	8.64	8.23	6.93	6.40
California .....	7.49	7.81	7.42	7.57	7.05	7.71	6.38	6.18
Colorado .....	NA	NA	NA	NA	NA	NA	NA	NA
Connecticut .....	10.42	11.01	11.58	11.48	11.35	10.71	10.71	10.07
Delaware .....	8.76	10.81	11.91	11.94	11.69	10.13	8.93	8.25
District of Columbia .....	11.01	11.27	11.34	8.40	8.46	8.28	9.18	8.74
Florida .....	13.89	14.79	14.96	15.05	14.65	14.15	13.36	12.89
Georgia .....	5.95	8.02	10.57	11.75	11.87	12.38	10.42	6.23
Hawaii .....	20.84	21.04	21.33	21.61	21.17	21.51	21.78	21.30
Idaho .....	5.28	5.66	6.47	6.51	6.16	5.81	5.26	5.10
Illinois .....	5.65	6.07	8.00	7.87	7.83	7.93	5.43	5.10
Indiana .....	5.83	6.95	8.77	9.40	10.18	8.85	7.23	6.70
Iowa .....	6.52	7.80	11.19	10.25	9.53	8.08	6.21	5.24
Kansas .....	6.55	7.74	8.54	8.27	7.54	8.03	6.24	6.04
Kentucky .....	6.19	7.52	7.94	9.22	9.15	7.56	6.67	6.84
Louisiana .....	7.96	9.44	9.42	8.76	8.41	8.45	7.52	6.09
Maine .....	8.21	7.80	9.46	9.25	9.69	8.39	7.95	9.05
Maryland .....	8.71	9.91	10.72	11.35	10.88	9.62	8.26	8.14
Massachusetts .....	9.78	8.58	10.09	10.39	9.86	8.32	7.49	9.90
Michigan .....	5.08	5.74	6.81	7.26	6.88	6.15	5.10	4.92
Minnesota .....	6.12	6.58	7.62	7.17	7.06	6.36	5.32	4.66
Mississippi .....	6.70	8.29	NA	NA	NA	7.36	6.91	6.42
Missouri .....	6.68	8.83	9.59	9.38	8.77	7.53	5.88	5.31
Montana .....	5.42	5.84	6.73	6.98	7.46	6.10	5.00	4.73
Nebraska .....	6.19	7.53	7.90	7.72	7.43	6.71	4.65	4.91
Nevada .....	6.74	7.67	7.95	7.99	7.58	7.31	6.63	6.16
New Hampshire .....	8.87	7.47	8.98	9.17	9.01	7.59	6.62	6.62
New Jersey .....	7.63	8.52	9.80	9.82	9.62	9.38	8.30	7.71
New Mexico .....	4.47	8.32	10.84	11.07	11.66	40.76	6.53	8.78
New York .....	10.65	11.75	12.64	12.84	12.49	10.88	9.51	9.11
North Carolina .....	8.23	11.20	13.11	13.15	12.42	10.31	8.58	8.68
North Dakota .....	5.67	6.26	7.54	7.02	7.05	6.37	5.10	4.10
Ohio .....	6.31	7.40	8.29	8.46	8.71	7.55	6.74	6.60
Oklahoma .....	6.17	8.93	9.28	9.36	8.95	8.14	6.80	5.96
Oregon .....	6.15	6.68	7.88	8.12	7.53	7.21	6.38	6.04
Pennsylvania .....	7.94	9.01	11.12	11.50	11.78	10.15	8.88	8.41
Rhode Island .....	9.74	10.64	12.10	12.53	12.30	10.90	9.70	9.67
South Carolina .....	8.00	9.53	10.15	10.24	9.73	8.96	8.09	8.36
South Dakota .....	6.17	6.98	9.10	8.07	8.39	7.83	5.92	4.95
Tennessee .....	6.89	8.33	8.81	9.00	8.92	NA	6.49	6.39
Texas .....	6.50	8.07	8.67	8.91	8.38	7.83	6.42	5.66
Utah .....	5.66	4.62	5.55	5.94	5.61	5.67	5.80	4.16
Vermont .....	6.43	7.06	8.41	8.78	8.51	7.35	6.52	6.23
Virginia .....	9.02	11.07	12.27	12.45	12.40	10.70	9.05	8.12
Washington .....	NA	NA	NA	NA	NA	5.82	5.69	5.68
West Virginia .....	<sup>R</sup> 6.58	<sup>R</sup> 5.98	8.89	9.58	10.39	8.47	7.26	6.91
Wisconsin .....	7.24	6.07	6.92	6.99	6.58	6.68	5.13	6.31
Wyoming .....	5.19	5.54	6.09	6.31	5.83	5.25	3.23	4.73
<b>Total</b> .....	6.85	<sup>R</sup> 7.59	8.65	8.81	8.55	8.21	6.83	6.57

See footnotes at end of table.

**Table 21. Average Price of Natural Gas Delivered to Residential Consumers, by State, 1996-1998**  
(Dollars per Thousand Cubic Feet) — Continued

State	1997			1996				
	March	February	January	Total	December	November	October	September
Alabama .....	8.65	7.61	7.62	7.22	7.36	7.83	9.71	10.63
Alaska .....	3.75	3.67	3.63	3.42	3.32	3.37	3.46	3.77
Arizona .....	7.03	6.81	6.62	7.52	6.85	7.43	9.28	10.06
Arkansas .....	6.14	6.09	6.48	5.92	6.64	6.05	7.06	7.75
California .....	6.42	6.27	6.27	6.44	6.20	6.41	6.67	5.94
Colorado .....	NA	NA	NA	4.39	3.94	4.31	4.99	6.38
Connecticut .....	9.66	10.96	10.41	10.08	10.49	10.26	10.58	10.65
Delaware .....	7.94	7.75	7.54	7.12	7.59	7.90	9.08	10.58
District of Columbia .....	8.57	9.36	9.81	9.19	10.22	9.18	10.25	10.78
Florida .....	12.12	10.69	10.57	10.74	10.47	11.98	13.01	13.39
Georgia .....	8.88	7.47	6.53	6.69	6.75	5.83	8.51	10.32
Hawaii .....	22.29	25.55	21.14	19.81	19.51	20.71	20.95	20.47
Idaho .....	4.95	4.80	4.81	5.20	4.89	5.22	5.60	6.11
Illinois .....	5.28	6.50	6.15	5.28	5.13	5.05	5.93	8.14
Indiana .....	6.28	6.06	5.82	5.54	5.65	5.52	6.55	8.37
Iowa .....	5.58	6.01	5.57	5.49	5.71	5.30	6.66	9.16
Kansas .....	5.98	6.58	6.33	5.59	5.75	5.47	6.48	7.09
Kentucky .....	6.32	6.02	5.87	5.54	6.10	5.73	6.62	7.85
Louisiana .....	6.28	6.85	7.34	6.76	7.30	7.75	8.31	8.41
Maine .....	8.65	8.66	8.10	7.84	8.53	8.05	7.04	8.23
Maryland .....	7.31	7.64	7.68	7.60	7.81	7.30	8.45	10.11
Massachusetts .....	9.70	9.62	9.55	8.88	9.53	9.52	7.54	9.30
Michigan .....	4.82	4.94	5.04	4.96	5.07	5.01	5.58	6.55
Minnesota .....	4.81	5.81	6.50	5.46	6.18	5.47	5.48	6.67
Mississippi .....	5.49	5.61	6.17	5.72	6.58	6.28	6.35	6.35
Missouri .....	5.70	6.50	6.67	5.97	6.02	5.94	7.58	9.53
Montana .....	4.69	4.49	4.47	4.86	4.59	4.89	5.53	6.18
Nebraska .....	4.86	5.75	6.21	4.88	5.35	5.01	5.59	6.74
Nevada .....	5.78	5.76	5.54	6.19	5.69	6.05	7.40	7.91
New Hampshire .....	9.36	9.24	9.10	7.40	8.41	8.67	7.05	8.26
New Jersey .....	7.42	7.47	7.67	7.16	7.02	7.29	7.66	8.73
New Mexico .....	4.46	5.09	5.81	4.47	3.72	3.80	5.80	8.53
New York .....	9.73	10.13	10.43	8.90	NA	NA	NA	NA
North Carolina .....	9.59	8.76	8.77	7.59	7.90	8.21	9.93	12.45
North Dakota .....	4.14	4.32	4.43	4.54	4.34	3.84	4.66	6.20
Ohio .....	6.51	6.83	6.72	5.90	6.29	6.56	7.29	8.41
Oklahoma .....	5.66	5.79	6.44	5.64	5.32	5.99	8.12	9.14
Oregon .....	5.85	5.76	5.73	6.31	5.95	6.30	7.01	7.85
Pennsylvania .....	8.05	8.05	7.64	7.38	7.60	7.80	8.60	10.61
Rhode Island .....	9.39	9.18	8.79	8.49	8.68	9.36	9.90	11.21
South Carolina .....	9.24	8.69	8.67	7.41	7.85	7.50	8.21	9.27
South Dakota .....	4.83	5.09	5.50	5.25	5.39	5.41	5.94	7.62
Tennessee .....	NA	7.00	6.84	6.26	6.17	5.93	7.07	8.46
Texas .....	5.56	6.05	6.35	5.89	6.14	5.34	7.07	7.86
Utah .....	5.14	4.89	4.91	4.47	4.75	4.81	3.79	4.15
Vermont .....	6.08	6.04	6.04	6.40	6.19	6.42	7.21	8.41
Virginia .....	7.56	8.07	8.87	7.94	8.48	8.26	9.78	11.94
Washington .....	5.48	5.40	5.39	5.65	5.44	5.60	6.09	6.87
West Virginia .....	6.80	6.67	6.68	7.02	6.80	7.01	7.55	9.22
Wisconsin .....	5.89	6.61	7.08	6.04	6.87	6.25	5.02	6.01
Wyoming .....	4.01	3.91	3.51	4.26	3.97	3.75	3.95	5.29
<b>Total .....</b>	<b>6.53</b>	<b>6.80</b>	<b>6.74</b>	<b>6.34</b>	<b>6.47</b>	<b>6.37</b>	<b>7.05</b>	<b>7.99</b>

<sup>R</sup> = Revised Data.

NA = Not Available.

Notes: Data for 1996 are final. All other data are preliminary unless otherwise indicated. Geographic coverage is the 50 States and the District of Columbia. See Appendix A, Explanatory Note 5 for discussion of computations and revision policy.

Source: Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers."

**Table 22. Average Price of Natural Gas Sold to Commercial Consumers, by State, 1996-1998**  
(Dollars per Thousand Cubic Feet)

State	YTD 1998	YTD 1997	YTD 1996	1998			1997	
				March	February	January	Total	December
Alabama .....	6.48	7.02	5.85	6.27	6.47	6.65	7.04	6.61
Alaska .....	2.45	2.57	2.40	2.39	<sup>R</sup> 2.45	2.49	2.45	2.55
Arizona .....	5.58	5.12	4.97	5.50	5.59	5.65	5.33	5.56
Arkansas .....	5.13	5.16	4.35	5.04	5.19	5.14	5.21	5.12
California .....	6.81	6.97	6.51	7.06	6.75	6.69	6.48	7.04
Colorado .....	NA	NA	3.74	NA	NA	NA	NA	NA
Connecticut .....	7.48	8.09	7.81	7.42	7.28	7.73	7.35	6.78
Delaware .....	6.72	6.45	5.42	6.75	6.72	6.70	6.78	6.65
District of Columbia .....	7.49	7.96	7.82	7.46	7.34	7.65	8.05	8.11
Florida .....	6.75	6.77	6.40	6.69	<sup>R</sup> 6.72	<sup>R</sup> 6.83	6.94	7.31
Georgia .....	5.86	6.76	5.45	5.51	5.86	6.16	6.37	5.66
Hawaii .....	14.15	15.16	13.33	13.66	14.41	14.35	14.97	14.02
Idaho .....	4.42	4.31	4.44	4.46	4.40	4.41	4.47	4.34
Illinois .....	4.60	5.60	4.34	4.70	4.25	4.76	5.45	5.24
Indiana .....	5.39	5.29	4.20	5.44	5.97	4.90	5.38	4.97
Iowa .....	4.21	5.03	4.04	3.72	4.08	4.71	5.23	5.20
Kansas .....	4.82	6.01	4.48	3.85	5.43	5.44	NA	NA
Kentucky .....	5.46	5.70	4.53	5.44	5.63	5.32	5.79	5.92
Louisiana .....	5.33	6.54	5.64	4.94	5.24	5.73	<sup>R</sup> 6.28	5.94
Maine .....	7.41	7.97	7.03	7.41	7.41	7.41	7.70	7.79
Maryland .....	6.16	6.50	6.01	6.15	6.18	6.14	6.47	6.35
Massachusetts .....	7.44	8.13	7.46	7.46	7.47	7.39	7.31	8.03
Michigan .....	4.71	4.85	4.50	4.58	4.76	4.77	4.92	4.79
Minnesota .....	4.45	5.21	4.40	4.41	4.42	4.50	4.85	4.40
Mississippi .....	NA	5.20	4.78	NA	4.35	NA	NA	5.08
Missouri .....	5.69	6.17	5.13	5.27	5.63	6.08	5.83	6.16
Montana .....	4.90	4.49	4.53	4.91	4.97	4.85	4.69	5.24
Nebraska .....	5.03	5.25	4.35	6.13	4.44	4.66	4.86	5.34
Nevada .....	5.69	4.93	4.83	5.69	5.76	5.63	5.13	5.36
New Hampshire .....	7.60	8.63	6.86	7.64	7.57	7.60	7.65	7.79
New Jersey .....	4.27	6.93	7.04	3.83	4.13	4.85	5.87	4.93
New Mexico .....	3.93	4.54	3.37	3.91	4.35	3.66	4.45	3.59
New York .....	NA	7.53	NA	NA	NA	NA	<sup>R</sup> 6.49	6.76
North Carolina .....	6.77	7.65	5.92	6.45	6.72	7.05	6.99	6.96
North Dakota .....	4.10	4.03	3.79	4.17	4.13	4.03	4.34	4.92
Ohio .....	5.68	6.43	4.91	5.62	5.43	5.96	6.31	5.94
Oklahoma .....	5.46	5.88	4.54	5.27	5.56	5.53	5.50	5.37
Oregon .....	NA	4.56	4.81	NA	5.17	4.92	4.64	4.67
Pennsylvania .....	7.27	7.32	5.96	7.33	7.36	7.14	7.36	6.90
Rhode Island .....	7.80	8.08	7.21	7.88	7.78	7.75	8.21	7.98
South Carolina .....	6.81	7.07	6.45	6.55	6.91	6.92	<sup>R</sup> 6.30	6.84
South Dakota .....	4.19	4.34	3.69	4.37	4.10	4.12	4.71	5.06
Tennessee .....	NA	NA	5.62	5.55	6.37	NA	NA	6.29
Texas .....	4.80	5.35	4.31	4.32	5.37	4.66	5.00	5.12
Utah .....	4.43	3.79	3.41	4.36	4.35	4.54	3.91	4.39
Vermont .....	5.18	5.20	5.24	5.10	5.23	5.21	5.18	5.15
Virginia .....	6.20	6.56	5.65	5.82	6.33	6.41	6.49	6.53
Washington .....	NA	4.69	4.75	NA	NA	NA	NA	NA
West Virginia .....	6.29	6.14	6.05	6.32	6.26	6.28	6.42	6.20
Wisconsin .....	5.11	5.66	4.78	5.24	4.96	5.12	5.41	5.52
Wyoming .....	NA	3.47	3.97	4.55	4.56	NA	3.93	5.56
<b>Total .....</b>	<b>5.49</b>	<b>6.01</b>	<b>5.29</b>	<b>5.36</b>	<b><sup>R</sup>5.54</b>	<b><sup>R</sup>5.55</b>	<b><sup>R</sup>5.76</b>	<b>5.69</b>

See footnotes at end of table.

**Table 22. Average Price of Natural Gas Sold to Commercial Consumers, by State, 1996-1998**

(Dollars per Thousand Cubic Feet) — Continued

State	1997							
	November	October	September	August	July	June	May	April
Alabama .....	6.83	7.46	7.59	7.50	7.60	7.22	6.85	7.11
Alaska .....	2.53	2.52	2.28	2.09	2.24	2.15	2.23	2.37
Arizona .....	5.83	5.83	5.82	5.34	5.22	5.21	5.19	5.09
Arkansas .....	5.45	5.75	5.54	5.18	5.32	5.37	5.14	4.90
California .....	7.09	6.70	5.88	5.00	5.90	6.32	5.33	6.10
Colorado .....	NA	NA	NA	NA	NA	NA	NA	NA
Connecticut .....	7.88	6.78	6.59	5.22	5.90	6.35	7.00	7.24
Delaware .....	6.97	7.56	7.28	8.64	7.91	7.39	6.82	6.61
District of Columbia .....	8.78	8.08	8.11	7.20	6.92	7.03	6.87	10.06
Florida .....	7.41	7.13	6.94	6.62	6.98	6.93	6.89	6.74
Georgia .....	5.46	5.98	6.28	7.00	7.60	7.68	6.30	5.57
Hawaii .....	14.75	14.75	14.62	15.09	15.07	15.37	15.25	15.34
Idaho .....	4.66	4.73	4.73	4.83	4.76	4.78	4.66	4.62
Illinois .....	5.28	5.82	6.24	6.10	5.68	5.55	4.93	4.64
Indiana .....	4.92	4.93	6.05	6.07	6.50	6.28	6.15	5.97
Iowa .....	5.53	5.97	7.44	6.44	5.68	6.05	4.88	4.34
Kansas .....	6.00	5.92	5.66	4.90	4.95	4.90	5.25	5.17
Kentucky .....	6.03	5.42	5.90	5.95	6.20	6.00	5.53	5.85
Louisiana .....	7.10	7.30	6.20	5.94	5.39	6.19	6.08	5.08
Maine .....	7.62	6.84	7.61	7.16	7.12	6.94	6.67	8.28
Maryland .....	7.11	7.18	6.89	6.22	6.16	6.52	6.05	5.76
Massachusetts .....	7.74	5.63	5.45	5.53	5.34	5.04	5.44	7.94
Michigan .....	4.95	5.40	5.97	5.96	5.81	5.44	4.82	4.63
Minnesota .....	5.26	5.09	4.99	4.41	4.44	4.50	3.99	3.89
Mississippi .....	5.58	5.98	NA	NA	NA	4.79	5.08	4.93
Missouri .....	6.01	6.13	5.70	5.19	5.11	4.86	4.39	4.55
Montana .....	3.81	5.39	4.39	5.73	5.62	5.39	4.81	4.52
Nebraska .....	5.40	5.26	4.33	3.76	3.56	5.88	5.00	3.91
Nevada .....	5.47	5.48	5.22	5.22	5.11	5.07	5.12	5.18
New Hampshire .....	7.83	6.15	6.28	6.47	6.49	6.20	5.86	6.52
New Jersey .....	5.30	4.91	4.27	4.43	4.32	4.38	5.77	5.57
New Mexico .....	3.90	4.67	5.12	5.35	5.47	7.67	4.23	4.63
New York .....	7.01	<sup>R</sup> 5.89	5.35	4.78	4.22	4.99	5.84	6.20
North Carolina .....	6.70	6.18	6.46	6.44	6.44	5.99	6.02	6.50
North Dakota .....	5.11	4.97	5.15	4.51	4.96	4.54	4.25	3.66
Ohio .....	6.05	6.22	6.54	6.82	6.76	7.39	6.08	6.18
Oklahoma .....	5.32	5.54	5.02	4.94	4.93	5.15	4.97	4.81
Oregon .....	4.74	4.66	4.82	4.89	4.76	4.79	4.62	4.61
Pennsylvania .....	6.89	7.26	7.68	7.92	8.12	8.13	7.99	7.70
Rhode Island .....	8.02	8.00	8.77	9.12	8.96	8.77	8.07	8.46
South Carolina .....	6.75	6.10	3.26	6.03	5.90	5.92	5.92	<sup>R</sup> 6.59
South Dakota .....	5.22	5.50	6.51	5.22	5.44	6.09	4.77	4.04
Tennessee .....	6.12	6.09	6.07	5.81	5.91	NA	5.39	5.01
Texas .....	5.41	4.76	4.84	4.40	4.51	4.80	4.60	4.29
Utah .....	4.65	3.78	3.99	4.02	3.82	3.60	3.37	3.09
Vermont .....	4.99	4.91	5.01	5.43	5.42	5.41	5.58	5.10
Virginia .....	6.42	6.56	6.60	6.58	6.68	6.10	6.31	6.29
Washington .....	NA	NA	NA	NA	NA	4.66	4.83	4.21
West Virginia .....	6.30	7.01	7.63	8.23	8.53	7.78	6.81	6.42
Wisconsin .....	6.04	4.88	4.85	4.71	4.30	4.74	3.83	5.07
Wyoming .....	4.62	5.02	4.43	4.31	4.11	3.93	2.65	3.59
<b>Total .....</b>	<b>5.84</b>	<b><sup>R</sup>5.68</b>	<b>5.54</b>	<b>5.32</b>	<b>5.28</b>	<b>5.56</b>	<b>5.36</b>	<b><sup>R</sup>5.45</b>

See footnotes at end of table.

**Table 22. Average Price of Natural Gas Sold to Commercial Consumers, by State, 1996-1998**

(Dollars per Thousand Cubic Feet) — Continued

State	1997			1996				
	March	February	January	Total	December	November	October	September
Alabama .....	7.26	6.92	6.97	6.19	6.52	6.31	6.60	6.81
Alaska .....	2.53	2.52	2.63	2.32	2.39	2.34	2.23	2.02
Arizona .....	5.27	5.11	5.01	5.01	4.99	5.02	5.16	5.19
Arkansas .....	4.86	5.07	5.42	4.68	5.59	5.02	4.72	4.67
California .....	6.71	6.98	7.18	5.94	6.36	5.49	5.68	5.46
Colorado .....	NA	NA	NA	3.67	3.32	3.41	3.69	3.93
Connecticut .....	7.66	8.45	8.09	7.41	7.90	7.84	6.19	5.95
Delaware .....	6.47	6.54	6.33	5.82	6.19	5.96	6.39	6.45
District of Columbia .....	7.61	7.97	8.24	7.37	8.01	8.02	7.93	7.35
Florida .....	6.96	6.84	6.56	6.45	6.47	6.43	6.41	6.38
Georgia .....	7.53	6.66	6.44	5.89	6.33	5.72	6.08	5.94
Hawaii .....	15.72	15.07	14.72	14.40	15.13	15.31	15.35	14.62
Idaho .....	4.36	4.29	4.30	4.56	4.34	4.63	4.86	4.91
Illinois .....	4.97	5.68	5.89	4.92	5.20	4.83	5.23	6.25
Indiana .....	5.37	5.43	5.14	4.67	4.98	4.66	5.01	5.97
Iowa .....	4.81	5.32	4.96	4.59	5.16	5.09	5.32	5.62
Kansas .....	5.46	6.25	6.12	4.61	4.90	4.56	4.69	5.44
Kentucky .....	5.72	5.80	5.61	5.09	5.67	5.50	5.80	5.95
Louisiana .....	<sup>R</sup> 5.83	6.48	7.08	6.08	6.87	6.58	6.15	5.90
Maine .....	8.10	8.12	7.75	7.09	7.87	7.58	6.17	6.55
Maryland .....	6.11	6.72	6.60	6.07	6.61	5.69	5.88	6.27
Massachusetts .....	8.14	8.28	7.97	6.74	7.91	7.30	4.79	4.88
Michigan .....	4.71	4.80	4.99	4.75	4.97	4.85	5.24	5.52
Minnesota .....	4.16	5.23	6.02	4.63	5.66	4.61	3.99	4.26
Mississippi .....	4.61	5.17	5.61	5.22	5.73	4.86	4.31	4.25
Missouri .....	5.07	6.47	6.58	5.35	5.83	5.32	5.36	5.94
Montana .....	4.57	4.45	4.46	4.64	4.49	4.68	5.07	5.27
Nebraska .....	4.23	5.24	5.91	4.47	5.38	4.03	4.93	3.35
Nevada .....	4.95	4.86	4.97	4.90	4.88	4.89	5.13	5.14
New Hampshire .....	8.67	8.81	8.41	6.74	7.75	7.78	5.86	6.14
New Jersey .....	6.99	7.10	6.73	6.14	6.31	5.71	4.61	4.50
New Mexico .....	3.54	4.37	5.36	3.35	3.34	3.20	3.48	4.17
New York .....	6.85	7.53	8.13	6.88	NA	NA	NA	NA
North Carolina .....	7.85	7.67	7.52	6.18	6.78	6.67	6.35	6.38
North Dakota .....	3.65	4.09	4.24	3.91	4.06	3.06	3.15	3.77
Ohio .....	6.03	6.74	6.45	5.38	5.82	6.15	6.43	6.67
Oklahoma .....	5.26	5.75	6.40	4.70	5.04	4.80	5.06	5.03
Oregon .....	4.57	4.55	4.56	4.85	4.65	4.82	5.09	5.11
Pennsylvania .....	7.37	7.55	7.07	6.44	6.86	6.61	7.00	7.53
Rhode Island .....	8.17	8.20	7.88	7.50	7.89	7.78	8.23	7.95
South Carolina .....	7.20	<sup>R</sup> 6.87	<sup>R</sup> 7.18	6.26	7.01	6.37	5.66	5.76
South Dakota .....	3.96	4.28	4.61	4.20	4.34	4.20	4.07	5.15
Tennessee .....	NA	6.19	6.51	5.72	5.78	5.32	5.50	6.05
Texas .....	4.42	5.28	6.00	4.27	5.38	4.58	4.24	4.33
Utah .....	3.81	3.75	3.81	3.38	3.69	3.80	2.96	3.07
Vermont .....	5.15	5.21	5.24	5.24	5.20	5.11	5.11	5.19
Virginia .....	5.93	6.61	6.97	5.93	6.74	5.94	6.08	6.47
Washington .....	4.71	4.72	4.65	4.80	4.76	4.79	4.88	5.03
West Virginia .....	6.22	6.13	6.09	6.03	5.85	6.26	5.82	6.27
Wisconsin .....	5.03	5.60	6.14	4.83	5.73	4.99	3.72	4.08
Wyoming .....	3.46	3.53	3.41	3.68	3.08	2.60	3.73	4.06
<b>Total</b> .....	5.72	<sup>R</sup> 6.09	6.15	5.40	5.78	5.40	5.33	5.46

<sup>R</sup> = Revised Data.

NA = Not Available.

Notes: Data for 1996 are final. All other data are preliminary unless otherwise indicated. Geographic coverage is the 50 States and the District of Columbia. Average prices for gas delivered to commercial consumers reflect onsystem sales prices only. See Appendix A, Explanatory Note 5 for discussion of computations and revision policy. See Table 24 for data on onsystem sales expressed as a percentage of both total commercial and total industrial deliveries. In 1996, consumption of natural gas for agricultural use is classified as industrial use. In 1995 and earlier years, agricultural use was classified as commercial use. See Explanatory Note 5 for further explanation.

Source: Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers."

**Table 23. Average Price of Natural Gas Sold to Industrial Consumers, by State, 1996-1998**

(Dollars per Thousand Cubic Feet)

State	YTD 1998	YTD 1997	YTD 1996	1998			1997	
				March	February	January	Total	December
Alabama .....	3.34	3.88	3.88	3.03	3.50	3.47	3.46	3.57
Alaska .....	1.51	1.56	1.45	1.45	1.52	1.56	1.54	1.56
Arizona .....	3.52	4.03	3.86	3.33	3.76	3.53	3.56	3.37
Arkansas .....	3.72	3.88	3.18	3.78	3.62	3.77	3.70	3.98
California .....	4.31	5.03	3.96	3.31	5.34	4.55	4.07	4.45
Colorado .....	NA	NA	0.70	NA	2.58	<sup>R</sup> 2.69	NA	NA
Connecticut .....	5.00	5.59	5.73	4.74	5.13	5.12	4.72	4.81
Delaware .....	4.03	4.87	3.90	3.79	4.08	4.22	4.32	4.60
District of Columbia .....	—	—	—	—	—	—	—	—
Florida .....	6.31	4.61	4.24	4.40	7.88	6.75	<sup>R</sup> 4.63	4.94
Georgia .....	5.39	5.73	4.59	5.18	5.37	5.63	5.18	4.61
Hawaii .....	—	—	—	—	—	—	—	—
Idaho <sup>a</sup> .....	3.09	2.76	3.00	3.25	3.02	3.06	2.73	2.77
Illinois .....	4.14	5.84	4.02	4.08	4.12	4.22	4.71	4.92
Indiana .....	4.27	4.25	3.35	4.56	4.84	3.54	4.11	4.28
Iowa .....	1.48	4.20	3.31	0.64	2.42	3.43	4.12	4.56
Kansas .....	4.30	3.35	3.43	3.61	3.67	5.52	<sup>R</sup> 3.27	<sup>R</sup> 5.41
Kentucky .....	4.31	4.55	3.82	3.79	4.51	4.59	4.36	5.01
Louisiana .....	2.89	3.30	3.08	2.89	2.86	2.90	2.96	3.12
Maine .....	6.02	7.04	6.05	6.02	6.02	6.02	5.55	7.19
Maryland .....	4.79	NA	4.98	4.68	4.82	5.42	NA	5.49
Massachusetts .....	6.75	7.68	6.64	6.77	6.70	6.79	5.97	7.02
Michigan .....	3.88	4.11	4.00	3.61	4.11	3.90	4.19	4.19
Minnesota .....	3.11	3.64	2.92	3.08	3.00	3.25	<sup>R</sup> 3.26	3.24
Mississippi .....	NA	3.76	3.56	NA	3.22	NA	NA	3.53
Missouri .....	4.78	5.33	4.56	4.27	4.69	5.30	4.62	5.36
Montana .....	4.88	4.81	4.80	5.02	4.85	4.82	4.87	4.93
Nebraska .....	3.31	4.23	3.16	3.34	3.27	3.30	<sup>R</sup> 3.74	3.97
Nevada .....	5.98	5.90	4.96	6.00	6.06	5.90	7.27	8.10
New Hampshire .....	6.06	7.15	5.48	5.47	5.84	7.08	4.69	7.42
New Jersey .....	3.46	4.92	4.47	3.24	3.42	3.71	3.83	4.33
New Mexico .....	3.42	3.20	2.97	4.09	5.84	2.16	3.12	2.38
New York .....	NA	5.63	5.44	15.18	NA	NA	4.50	5.42
North Carolina .....	4.52	5.40	4.65	4.19	4.41	4.95	4.65	5.10
North Dakota .....	3.15	3.25	3.26	3.22	3.01	3.22	3.23	3.43
Ohio .....	5.43	5.96	4.02	5.67	5.06	5.62	5.70	5.60
Oklahoma .....	4.13	4.67	3.05	4.12	4.18	4.10	4.05	4.26
Oregon .....	NA	3.25	3.21	NA	3.73	3.67	3.17	3.36
Pennsylvania .....	4.65	5.14	4.42	4.57	4.55	4.80	4.73	4.56
Rhode Island .....	4.28	5.06	5.28	4.06	4.25	4.59	4.33	5.04
South Carolina .....	3.53	4.12	4.21	3.53	3.38	3.67	3.45	3.95
South Dakota .....	3.31	4.12	2.44	3.38	3.25	3.30	4.01	3.71
Tennessee .....	NA	NA	3.96	3.59	3.98	NA	NA	4.47
Texas .....	NA	3.17	2.46	2.49	NA	2.66	NA	2.80
Utah .....	3.10	2.50	2.17	3.05	3.19	3.06	2.62	3.11
Vermont .....	3.01	3.18	3.55	2.94	3.01	3.06	3.07	3.11
Virginia .....	4.61	4.36	4.21	4.08	4.99	4.81	3.98	4.27
Washington .....	NA	3.59	2.51	NA	NA	NA	NA	NA
West Virginia .....	2.79	3.11	2.76	2.79	2.75	2.81	2.87	2.75
Wisconsin .....	4.11	4.40	3.45	4.17	4.48	3.79	4.12	4.53
Wyoming .....	NA	3.41	3.05	NA	NA	NA	3.39	3.55
<b>Total .....</b>	<b>3.56</b>	<b>4.09</b>	<b>3.58</b>	<b>3.41</b>	<sup>R</sup> <b>3.61</b>	<b>3.66</b>	<sup>R</sup> <b>3.53</b>	<b>3.78</b>

See footnotes at end of table.



**Table 23. Average Price of Natural Gas Sold to Industrial Consumers, by State, 1996-1998**

(Dollars per Thousand Cubic Feet) — Continued

State	1997							
	November	October	September	August	July	June	May	April
Alabama .....	3.62	3.66	3.21	3.21	3.08	3.20	3.19	2.96
Alaska .....	1.55	1.54	1.57	1.56	1.56	1.48	1.44	1.53
Arizona .....	3.20	3.68	3.26	3.10	3.16	3.90	3.90	4.31
Arkansas .....	4.28	3.87	3.58	3.57	3.42	3.37	3.17	3.19
California .....	4.63	4.28	3.50	3.42	3.79	4.00	2.51	3.45
Colorado .....	NA	NA	NA	NA	NA	NA	NA	NA
Connecticut .....	4.96	4.29	4.07	3.86	3.93	4.02	4.22	4.46
Delaware .....	4.69	4.55	4.06	4.07	4.04	3.99	3.62	3.62
District of Columbia .....	—	—	—	—	—	—	—	—
Florida .....	5.21	5.02	4.79	4.64	4.32	4.40	4.34	4.41
Georgia .....	5.04	4.80	6.43	4.68	4.81	6.14	4.67	4.39
Hawaii .....	—	—	—	—	—	—	—	—
Idaho <sup>a</sup> .....	2.74	2.72	2.69	2.68	2.80	2.52	2.73	2.75
Illinois .....	5.69	4.57	3.83	4.48	4.15	3.16	3.00	4.10
Indiana .....	3.48	3.57	4.07	3.95	3.91	4.38	4.50	4.67
Iowa .....	4.55	4.42	3.90	3.52	4.11	3.37	3.96	3.14
Kansas .....	<sup>R</sup> 4.18	<sup>R</sup> 4.33	3.44	3.10	3.01	3.03	2.57	2.32
Kentucky .....	5.39	4.35	3.99	3.87	3.90	3.61	3.73	3.82
Louisiana .....	3.52	3.54	2.86	2.49	2.76	2.71	2.39	2.34
Maine .....	5.88	4.68	4.65	4.43	4.40	4.45	4.10	5.77
Maryland .....	5.32	4.36	4.87	4.49	5.38	4.67	4.71	20.15
Massachusetts .....	6.63	4.54	4.19	4.02	4.19	3.73	4.63	6.35
Michigan .....	4.24	4.51	4.16	4.53	4.60	4.41	4.24	4.12
Minnesota .....	3.86	3.80	3.06	2.74	<sup>R</sup> 2.74	2.72	2.67	2.58
Mississippi .....	4.04	3.86	NA	NA	NA	3.21	3.06	2.98
Missouri .....	5.04	4.35	3.89	3.88	3.81	3.81	3.45	3.78
Montana .....	4.88	4.99	4.98	4.98	4.96	4.88	4.85	4.84
Nebraska .....	4.32	4.15	3.48	3.38	3.09	3.02	2.77	2.66
Nevada .....	9.69	11.58	9.23	7.42	7.08	7.50	7.77	5.80
New Hampshire .....	6.53	4.54	3.47	3.46	3.42	3.62	3.12	4.02
New Jersey .....	4.41	3.79	3.31	2.72	3.35	3.32	3.09	2.87
New Mexico .....	2.96	3.56	3.24	3.02	2.92	3.71	2.96	5.10
New York .....	5.48	4.95	3.88	4.20	1.56	4.32	4.49	4.58
North Carolina .....	5.05	4.13	4.30	2.83	4.00	3.64	4.01	4.14
North Dakota .....	3.85	4.07	3.35	3.66	3.14	3.02	2.42	2.37
Ohio .....	5.54	4.99	5.55	5.38	4.42	6.96	4.50	5.96
Oklahoma .....	4.37	4.10	3.44	3.33	3.34	3.32	2.75	3.08
Oregon .....	3.21	3.04	3.03	2.96	3.15	3.10	3.15	3.16
Pennsylvania .....	4.59	4.46	4.21	4.14	4.59	4.70	4.48	4.73
Rhode Island .....	4.59	4.28	4.08	3.66	3.78	3.74	4.72	3.56
South Carolina .....	4.26	3.97	3.23	3.25	1.89	3.32	3.26	3.21
South Dakota .....	4.36	4.64	4.16	3.96	4.49	4.08	3.55	3.12
Tennessee .....	4.17	4.16	3.89	3.44	3.09	NA	3.19	3.40
Texas .....	3.51	3.29	NA	2.34	2.41	2.46	2.31	2.03
Utah .....	2.98	2.81	2.61	2.81	2.70	2.27	2.27	2.31
Vermont .....	3.12	2.97	3.00	2.96	2.97	3.01	3.05	2.98
Virginia .....	3.97	3.44	3.98	3.95	3.82	3.88	4.03	3.11
Washington .....	NA	NA	NA	NA	NA	2.81	2.94	2.75
West Virginia .....	2.68	2.89	2.93	2.84	2.91	2.72	2.81	2.49
Wisconsin .....	5.05	4.19	3.54	3.24	3.20	3.28	2.98	3.89
Wyoming .....	3.55	3.32	3.32	3.34	3.38	3.35	3.24	3.40
<b>Total</b> .....	4.07	3.66	3.21	2.92	<sup>R</sup> 2.87	3.07	2.92	2.99

See footnotes at end of table.

**Table 23. Average Price of Natural Gas Sold to Industrial Consumers, by State,  
1996-1998**

(Dollars per Thousand Cubic Feet) — Continued

State	1997			1996				
	March	February	January	Total	December	November	October	September
Alabama .....	3.15	3.91	4.57	3.64	4.61	3.72	3.14	2.94
Alaska .....	1.55	1.57	1.55	1.41	1.35	1.35	1.35	1.35
Arizona .....	4.06	3.74	4.32	3.80	3.81	3.80	3.78	3.76
Arkansas .....	3.31	3.78	4.45	3.28	4.33	3.72	3.00	3.07
California .....	4.24	5.32	5.49	3.77	4.40	4.01	3.32	3.57
Colorado .....	NA	NA	NA	2.91	1.01	0.94	2.13	0.46
Connecticut .....	4.91	5.76	6.11	4.80	5.81	4.95	4.00	3.98
Delaware .....	4.35	5.03	5.29	4.32	5.00	4.62	4.62	4.58
District of Columbia .....	—	—	—	—	—	—	—	—
Florida .....	4.42	4.68	4.69	4.21	4.52	4.29	3.96	3.87
Georgia .....	5.07	5.63	6.40	4.40	4.87	3.76	4.16	2.73
Hawaii .....	—	—	—	—	—	—	—	—
Idaho <sup>a</sup> .....	2.75	2.76	2.78	2.78	2.42	2.51	2.76	2.75
Illinois .....	4.80	5.86	6.49	4.12	4.15	4.09	4.17	5.04
Indiana .....	4.41	4.21	4.19	3.62	4.16	3.52	3.52	3.91
Iowa .....	4.04	4.73	3.94	3.63	3.96	3.82	3.46	3.95
Kansas .....	2.34	3.45	4.33	3.09	4.85	3.37	2.44	3.04
Kentucky .....	3.97	4.67	4.78	3.87	4.64	3.92	3.73	3.65
Louisiana .....	2.09	3.49	4.19	2.84	4.07	3.05	2.22	2.08
Maine .....	7.08	7.10	6.95	5.22	6.60	6.56	4.04	3.96
Maryland .....	5.67	NA	5.31	5.36	4.63	6.00	7.80	6.18
Massachusetts .....	7.12	8.35	7.49	5.37	6.98	5.52	4.15	3.75
Michigan .....	4.15	4.02	4.16	3.87	4.06	3.97	3.74	3.30
Minnesota .....	2.74	3.73	<sup>R</sup> 4.66	2.97	4.18	3.09	2.12	2.35
Mississippi .....	2.93	3.80	4.45	3.43	4.47	3.59	2.87	2.85
Missouri .....	4.48	5.94	5.35	4.35	4.84	4.02	3.75	4.12
Montana .....	4.84	4.80	4.79	4.88	4.87	4.95	5.02	5.04
Nebraska .....	3.19	4.14	<sup>R</sup> 5.16	3.29	4.30	3.62	2.71	2.86
Nevada .....	4.67	4.64	9.50	4.90	4.67	4.68	5.01	5.10
New Hampshire .....	6.10	7.97	7.94	4.79	6.84	5.13	7.64	3.48
New Jersey .....	4.82	5.03	4.92	3.82	4.62	3.70	3.05	3.01
New Mexico .....	3.40	4.02	3.01	2.90	2.63	2.78	2.98	3.57
New York .....	5.22	5.72	5.93	5.04	5.17	4.79	4.45	4.16
North Carolina .....	4.80	5.41	5.63	4.37	5.14	4.65	4.05	4.03
North Dakota .....	1.60	4.94	4.39	3.02	3.89	2.36	2.28	2.77
Ohio .....	5.49	6.71	5.77	4.10	2.79	5.14	4.84	4.51
Oklahoma .....	3.90	4.53	5.41	3.26	3.87	3.33	3.28	3.57
Oregon .....	3.25	3.24	3.25	3.24	3.29	3.36	3.52	3.17
Pennsylvania .....	4.91	5.25	5.25	4.12	3.87	4.15	3.97	3.94
Rhode Island .....	4.50	5.52	5.64	4.67	9.64	4.62	3.70	3.84
South Carolina .....	3.43	4.22	4.74	3.77	4.58	4.03	3.29	3.30
South Dakota .....	3.00	4.00	4.99	3.50	6.16	4.81	4.73	5.36
Tennessee .....	NA	4.75	4.80	3.92	4.52	3.95	3.52	3.80
Texas .....	2.08	3.19	4.10	2.58	3.82	2.89	2.06	2.11
Utah .....	2.53	2.53	2.44	2.10	2.28	2.22	1.97	2.00
Vermont .....	3.10	3.14	3.32	3.44	3.18	3.20	3.44	3.17
Virginia .....	4.79	5.51	3.56	4.07	3.91	3.53	4.14	4.10
Washington .....	2.88	3.58	4.36	2.67	3.81	2.78	2.52	1.93
West Virginia .....	2.78	3.03	3.44	2.76	2.96	3.06	2.70	2.78
Wisconsin .....	3.55	4.41	5.06	3.48	4.79	4.10	2.67	2.74
Wyoming .....	3.40	3.41	3.40	3.14	3.25	3.32	3.29	3.19
<b>Total .....</b>	<b>3.36</b>	<b>4.20</b>	<b>4.62</b>	<b>3.42</b>	<b>4.20</b>	<b>3.57</b>	<b>2.89</b>	<b>2.77</b>

<sup>R</sup> = Revised Data.

NA = Not Available.

— = Not Applicable.

Notes: Data for 1996 are final. All other data are preliminary unless otherwise indicated. Geographic coverage is the 50 States and the District of Columbia. Average prices for gas delivered to industrial consumers reflect onsystem sales prices only. See Appendix A, Explanatory Note 5 for discussion of computations and revision policy. See Table 24 for data on onsystem sales expressed as a percentage of both total commercial and total industrial deliveries. In 1996, consumption of natural gas for agricultural use is classified as industrial use. In 1995 and earlier years, agricultural use was classified as commercial use. See Explanatory Note 5 for further explanation.

Source: Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers."

**Table 24. Average Price of Natural Gas Delivered to Electric Utility<sup>a</sup> Consumers,  
by State, 1997-1998**

(Dollars per Thousand Cubic Feet)

State	YTD 1998	YTD 1997	YTD 1996	1998		1997		
				February	January	Total	December	November
Alabama .....	2.73	3.08	3.20	2.44	2.86	2.76	2.90	3.70
Alaska .....	1.86	1.68	1.31	1.88	1.85	1.74	1.84	1.84
Arizona .....	2.71	4.81	2.88	2.56	2.84	2.99	2.86	4.00
Arkansas .....	2.21	3.60	5.21	2.16	2.25	2.60	2.24	3.12
California .....	2.88	4.43	2.87	2.79	2.94	3.07	2.96	3.64
Colorado .....	2.81	3.59	1.82	2.65	3.01	3.21	2.93	3.90
Connecticut .....	2.73	3.20	—	2.63	2.74	2.55	2.74	3.38
Delaware .....	4.86	3.80	4.63	3.21	5.34	3.15	4.28	2.58
District of Columbia .....	—	—	—	—	—	—	—	—
Florida .....	2.36	4.33	3.39	2.49	2.25	3.20	3.19	4.06
Georgia .....	2.54	3.89	6.01	2.88	2.35	2.76	4.97	3.33
Hawaii .....	—	—	—	—	—	—	—	—
Idaho .....	—	—	—	—	—	—	—	—
Illinois .....	2.26	3.10	3.20	2.28	2.25	2.54	2.48	3.31
Indiana .....	3.19	4.41	3.67	2.64	3.84	3.27	3.67	4.03
Iowa .....	3.20	4.47	3.40	3.00	3.36	3.27	2.99	4.16
Kansas .....	2.73	3.86	2.34	1.97	3.35	2.48	3.33	3.02
Kentucky .....	3.53	4.36	3.87	3.58	3.46	3.34	3.47	4.24
Louisiana .....	2.55	3.67	3.88	2.47	2.61	2.80	2.86	3.61
Maine .....	—	—	—	—	—	—	—	—
Maryland .....	3.52	5.18	6.22	3.32	3.75	2.97	3.61	4.10
Massachusetts .....	3.08	4.04	4.80	2.95	3.16	3.11	3.57	4.08
Michigan .....	0.65	0.58	0.76	0.84	0.51	0.79	0.47	1.08
Minnesota .....	2.63	2.43	2.11	2.62	2.63	2.54	2.99	3.72
Mississippi .....	2.47	3.44	5.81	2.46	2.48	2.75	2.80	3.51
Missouri .....	2.70	5.11	3.11	2.82	2.63	2.67	2.77	3.52
Montana .....	6.28	5.38	2.50	8.49	4.61	7.62	4.18	6.84
Nebraska .....	3.36	3.21	2.05	4.47	2.72	2.58	4.94	4.29
Nevada .....	2.39	2.23	2.09	2.37	2.41	2.17	2.16	2.80
New Hampshire .....	—	—	—	—	—	2.71	—	—
New Jersey .....	2.91	4.04	2.79	2.83	2.98	3.07	3.20	4.19
New Mexico .....	2.37	3.47	2.10	2.30	2.43	2.64	2.55	3.02
New York .....	2.98	3.64	4.21	2.95	3.00	2.89	3.38	3.83
North Carolina .....	3.02	6.89	3.07	—	3.02	3.16	3.60	4.95
North Dakota .....	—	—	3.58	—	—	3.81	—	—
Ohio .....	3.25	3.97	3.81	3.16	3.32	3.66	4.13	4.12
Oklahoma .....	3.69	4.28	3.58	2.72	4.47	2.97	2.89	4.05
Oregon .....	1.09	1.96	—	1.03	1.14	1.48	1.48	1.44
Pennsylvania .....	2.71	3.73	4.79	2.64	2.79	2.86	3.16	3.69
Rhode Island .....	3.39	3.63	2.41	3.24	3.48	3.39	3.78	4.05
South Carolina .....	3.92	6.20	4.30	3.53	4.05	4.15	4.46	4.00
South Dakota .....	—	—	—	—	—	—	—	—
Tennessee .....	—	—	—	—	—	—	—	—
Texas .....	2.45	3.39	2.54	2.41	2.49	2.70	2.74	3.33
Utah .....	—	—	20.25	—	—	2.11	—	—
Vermont .....	2.92	4.19	3.06	2.77	3.02	3.27	3.42	4.21
Virginia .....	3.31	2.87	2.27	3.78	3.05	2.99	2.54	4.09
Washington .....	1.67	4.95	4.96	4.11	1.64	5.54	5.73	5.16
West Virginia .....	5.59	6.10	4.26	—	5.59	3.87	3.31	3.00
Wisconsin .....	2.90	3.94	2.73	2.91	2.90	3.04	2.92	4.11
Wyoming .....	8.60	8.78	13.48	8.72	5.39	9.31	1.63	3.43
<b>Total .....</b>	<b>2.58</b>	<b>3.62</b>	<b>2.96</b>	<b>2.51</b>	<b>2.64</b>	<b>2.81</b>	<b>2.85</b>	<b>3.48</b>

See footnotes at end of table.

**Table 24. Average Price of Natural Gas Delivered to Electric Utility<sup>a</sup> Consumers, by State, 1997-1998**

(Dollars per Thousand Cubic Feet) — Continued

State	1997							
	October	September	August	July	June	May	April	March
Alabama .....	3.75	2.88	2.56	2.51	2.65	2.44	3.21	2.12
Alaska .....	1.85	1.88	1.69	1.87	1.79	1.64	1.63	1.55
Arizona .....	3.11	3.37	2.63	2.20	3.03	3.11	4.47	2.85
Arkansas .....	3.12	2.89	2.64	2.38	2.40	1.92	1.98	1.60
California .....	3.40	3.14	2.81	2.69	2.75	2.60	2.63	3.04
Colorado .....	2.37	2.42	2.77	4.07	2.31	6.20	2.47	2.26
Connecticut .....	2.76	2.37	2.35	2.33	2.26	2.22	2.22	2.45
Delaware .....	5.69	3.40	3.00	2.83	1.95	3.68	2.53	2.61
District of Columbia .....	—	—	—	—	—	—	—	—
Florida .....	4.05	3.41	2.97	2.94	3.03	2.87	2.58	2.62
Georgia .....	3.94	3.07	2.27	2.75	3.13	2.64	2.64	3.34
Hawaii .....	—	—	—	—	—	—	—	—
Idaho .....	—	—	—	—	—	—	—	—
Illinois .....	3.13	2.82	2.39	2.31	2.37	2.29	2.12	2.00
Indiana .....	5.25	3.67	3.39	2.77	2.99	3.06	2.88	2.74
Iowa .....	3.81	3.28	3.12	2.70	3.28	2.89	2.79	2.73
Kansas .....	3.05	2.70	2.13	2.06	2.11	2.14	2.00	1.80
Kentucky .....	4.00	3.25	2.92	2.87	2.96	2.83	3.13	3.20
Louisiana .....	3.40	3.03	2.60	2.44	2.65	2.45	2.18	2.10
Maine .....	—	—	—	—	—	—	—	—
Maryland .....	3.91	3.42	2.89	2.35	2.69	2.98	3.14	4.18
Massachusetts .....	4.08	3.21	2.87	2.81	2.92	2.84	2.54	2.64
Michigan .....	1.59	0.73	0.58	0.96	0.84	0.42	0.61	0.69
Minnesota .....	3.67	3.56	2.43	2.43	2.34	2.30	2.34	2.17
Mississippi .....	3.35	3.02	2.61	2.46	2.52	2.37	2.27	2.08
Missouri .....	3.35	2.94	2.51	2.39	2.44	2.74	2.77	2.26
Montana .....	2.98	64.31	1.92	1.37	9.35	13.57	2.87	4.08
Nebraska .....	3.21	2.98	2.49	2.32	2.00	1.89	1.89	2.29
Nevada .....	2.64	2.39	2.02	1.98	2.09	1.99	2.02	2.05
New Hampshire .....	—	2.85	2.55	2.74	2.72	2.68	—	—
New Jersey .....	4.23	3.42	2.87	2.80	2.85	2.76	2.69	2.57
New Mexico .....	3.05	2.82	2.47	2.46	2.38	2.39	2.07	2.01
New York .....	3.39	2.89	2.60	2.58	2.65	2.62	2.53	2.56
North Carolina .....	3.68	3.38	3.09	3.12	2.87	2.64	2.79	—
North Dakota .....	—	—	—	4.00	—	4.14	3.98	2.93
Ohio .....	4.00	4.35	4.28	3.10	3.20	4.13	4.06	4.03
Oklahoma .....	3.46	3.20	2.48	2.37	2.63	2.91	2.57	2.88
Oregon .....	1.45	1.49	1.49	1.35	1.57	—	—	1.40
Pennsylvania .....	3.65	2.99	2.81	2.54	3.04	2.57	2.31	2.72
Rhode Island .....	4.02	3.32	3.04	2.98	3.21	3.09	2.82	2.90
South Carolina .....	4.10	4.54	4.54	4.35	3.51	3.84	3.87	2.84
South Dakota .....	—	—	—	—	—	—	—	—
Tennessee .....	—	—	—	—	—	—	—	—
Texas .....	3.15	2.85	2.50	2.39	2.46	2.34	2.14	2.12
Utah .....	2.00	2.66	1.79	1.86	4.82	—	—	—
Vermont .....	3.96	—	2.90	2.95	—	2.83	2.27	2.61
Virginia .....	4.73	3.77	2.95	2.58	2.93	3.05	2.71	2.76
Washington .....	4.21	8.62	0.67	4.83	3.83	7.21	5.93	65.04
West Virginia .....	3.29	3.41	3.71	3.79	3.23	3.22	3.63	3.82
Wisconsin .....	3.94	3.09	2.85	3.12	2.81	2.58	2.46	2.33
Wyoming .....	4.88	7.74	34.13	20.44	4.00	11.82	24.02	22.85
<b>Total .....</b>	<b>3.30</b>	<b>2.99</b>	<b>2.58</b>	<b>2.49</b>	<b>2.59</b>	<b>2.51</b>	<b>2.34</b>	<b>2.39</b>

See footnotes at end of table.

**Table 24. Average Price of Natural Gas Delivered to Electric Utility<sup>a</sup> Consumers, by State, 1997-1998**

(Dollars per Thousand Cubic Feet) — Continued

State	1997		1996					
	February	January	Total	December	November	October	September	August
Alabama .....	2.04	4.37	2.95	4.32	3.16	2.27	2.14	2.66
Alaska .....	1.69	1.68	1.45	1.64	1.63	1.73	1.71	1.66
Arizona .....	4.01	5.70	3.03	7.53	4.76	2.53	2.98	2.61
Arkansas .....	1.92	4.18	2.52	3.88	2.62	1.36	1.89	2.47
California .....	4.14	4.67	2.75	4.55	3.40	2.60	2.51	2.63
Colorado .....	3.32	3.76	2.09	4.30	2.93	2.47	1.54	1.72
Connecticut .....	3.08	3.97	2.76	4.97	3.26	2.78	2.30	2.78
Delaware .....	2.90	4.87	3.13	4.06	3.65	2.32	2.32	2.35
District of Columbia .....	—	—	—	—	—	—	—	—
Florida .....	3.80	5.18	3.12	4.75	3.38	2.56	2.59	2.99
Georgia .....	8.15	2.08	2.88	6.28	2.50	3.08	2.72	2.51
Hawaii .....	—	—	—	—	—	—	—	—
Idaho .....	—	—	—	—	—	—	—	—
Illinois .....	2.93	3.34	2.62	3.82	3.10	2.12	1.98	2.25
Indiana .....	3.74	5.04	3.48	4.80	3.86	3.38	2.99	2.95
Iowa .....	3.74	5.11	3.23	3.77	3.45	2.95	1.80	2.87
Kansas .....	2.92	4.56	2.25	4.10	2.62	1.88	1.81	2.35
Kentucky .....	3.69	4.85	3.49	4.64	3.51	2.82	2.59	3.05
Louisiana .....	2.93	4.35	2.94	4.37	3.12	2.25	2.16	2.64
Maine .....	—	—	—	—	—	—	—	—
Maryland .....	5.75	5.04	3.11	5.92	4.02	2.65	2.85	2.49
Massachusetts .....	3.29	5.37	3.07	4.85	3.85	2.69	2.33	2.71
Michigan .....	0.59	0.56	0.74	0.55	0.73	0.55	0.59	0.91
Minnesota .....	3.35	2.26	2.18	2.32	2.19	2.14	2.14	2.10
Mississippi .....	2.61	4.15	2.78	4.27	3.23	2.10	2.00	2.52
Missouri .....	4.62	5.41	2.58	4.90	2.61	2.38	2.24	2.41
Montana .....	9.68	3.54	2.89	1.81	1.66	0.65	6.59	6.79
Nebraska .....	3.20	3.22	2.07	4.37	2.85	1.85	1.81	2.16
Nevada .....	2.33	2.14	2.12	2.19	2.37	2.71	1.96	2.20
New Hampshire .....	—	—	—	—	—	—	—	—
New Jersey .....	3.60	4.65	2.96	4.39	3.16	2.36	2.42	2.79
New Mexico .....	2.85	4.07	2.31	3.80	2.94	2.17	1.94	2.33
New York .....	3.35	4.36	2.96	4.22	3.39	2.37	2.26	2.74
North Carolina .....	—	6.89	3.11	4.41	4.20	2.55	2.80	3.31
North Dakota .....	—	—	2.93	2.81	3.92	2.94	—	3.32
Ohio .....	4.16	3.87	3.44	4.27	3.92	2.96	2.80	2.70
Oklahoma .....	4.36	4.21	2.98	4.43	3.61	2.93	2.38	2.64
Oregon .....	—	1.96	1.33	2.01	1.42	1.42	1.27	1.24
Pennsylvania .....	2.91	4.65	2.85	4.57	3.31	2.70	1.67	2.63
Rhode Island .....	4.09	3.18	2.29	3.14	2.34	1.81	1.78	2.32
South Carolina .....	4.22	6.95	4.56	5.08	4.47	5.32	4.01	4.67
South Dakota .....	—	—	2.36	—	—	—	—	—
Tennessee .....	—	—	2.61	—	1.20	—	—	—
Texas .....	2.85	3.89	2.51	3.80	2.82	2.23	2.10	2.45
Utah .....	—	—	1.83	—	—	—	1.50	1.67
Vermont .....	3.60	5.05	3.22	4.42	3.37	2.68	2.70	3.15
Virginia .....	1.80	3.13	2.98	3.42	2.04	3.77	2.93	2.83
Washington .....	4.50	5.11	4.98	4.75	5.03	4.35	4.01	4.98
West Virginia .....	7.68	3.15	2.99	2.94	2.87	3.69	—	3.28
Wisconsin .....	3.42	4.74	3.04	4.29	3.48	2.55	2.38	2.87
Wyoming .....	2.47	13.99	12.59	26.41	17.57	17.64	3.19	7.72
<b>Total .....</b>	<b>3.18</b>	<b>4.08</b>	<b>2.69</b>	<b>3.98</b>	<b>3.04</b>	<b>2.37</b>	<b>2.24</b>	<b>2.57</b>

<sup>a</sup> Includes all steam electric utility generating plants with a combined capacity of 50 megawatts or greater.

— = Not Applicable.

Notes: Data for 1996 are final. All other data are preliminary unless otherwise indicated. Geographic coverage is the 50 States and the District of Columbia. See Appendix A, Explanatory Note 5 for discussion of computations and revision policy.

Sources: Form FERC-423, "Monthly Report of Cost and Quality of Fuels for Electric Plants," and Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition."

**Table 25. Percentage of Total Deliveries Represented by Onsystem Sales, by State, 1996-1998**

State	YTD 1998		YTD 1997		YTD 1996		1998	
	Commercial	Industrial	Commercial	Industrial	Commercial	Industrial	March	
							Commercial	Industrial
Alabama .....	78.1	18.2	78.1	18.3	85.7	25.3	77.8	17.4
Alaska .....	59.3	100.0	67.8	97.9	76.1	63.7	57.6	100.0
Arizona .....	86.9	31.4	87.3	20.2	88.9	22.2	86.7	34.0
Arkansas .....	95.0	10.4	96.0	12.8	96.4	14.9	93.9	10.2
California .....	59.9	11.7	57.1	11.3	61.0	11.4	71.1	16.5
Colorado .....	NA	NA	NA	NA	94.6	16.9	NA	NA
Connecticut .....	76.1	58.4	89.2	72.9	93.2	96.4	71.2	59.4
Delaware .....	100.0	27.5	100.0	31.8	100.0	57.6	100.0	27.9
District of Columbia .....	59.7	—	63.6	—	81.9	—	60.1	—
Florida .....	96.3	4.5	96.5	7.9	96.8	15.4	96.2	4.4
Georgia .....	88.9	16.8	92.2	18.9	97.6	41.9	87.5	17.2
Hawaii .....	100.0	—	100.0	—	100.0	—	100.0	—
Idaho .....	89.0	2.5	88.5	2.1	89.1	1.3	88.1	2.0
Illinois .....	53.2	10.4	57.5	11.6	57.6	18.8	55.3	10.6
Indiana .....	87.0	12.3	91.5	17.6	98.2	25.5	88.6	12.3
Iowa .....	82.4	12.9	89.6	8.1	90.4	9.1	72.1	22.8
Kansas .....	73.9	5.2	71.0	9.9	82.0	7.5	76.9	5.5
Kentucky .....	88.9	14.0	91.0	19.2	92.7	38.6	90.0	13.1
Louisiana .....	64.1	7.1	98.3	9.6	98.1	10.0	58.2	9.8
Maine .....	100.0	97.9	100.0	97.1	100.0	95.4	100.0	97.9
Maryland .....	57.3	3.0	82.5	12.1	95.1	21.5	50.9	5.1
Massachusetts .....	61.8	19.2	68.4	21.8	83.6	31.4	65.5	29.0
Michigan .....	66.5	9.6	68.4	9.9	73.0	13.5	64.3	12.1
Minnesota .....	93.6	43.5	98.8	41.6	97.4	40.9	96.2	48.8
Mississippi .....	NA	NA	96.4	37.4	97.8	43.2	NA	NA
Missouri .....	84.6	23.1	83.3	24.2	87.8	28.2	83.3	21.5
Montana .....	85.3	4.2	91.4	4.2	92.7	4.9	83.1	3.5
Nebraska .....	78.5	26.0	79.1	24.2	80.4	24.0	77.3	24.0
Nevada .....	77.6	2.3	78.3	2.6	79.3	2.1	75.9	7.1
New Hampshire .....	96.3	35.5	97.4	50.4	98.3	56.8	96.1	39.1
New Jersey .....	61.3	47.9	75.4	48.9	80.3	59.7	62.4	29.5
New Mexico .....	68.2	7.1	72.5	11.6	66.0	1.2	67.3	1.5
New York .....	NA	NA	65.2	7.2	NA	13.4	NA	10.1
North Carolina .....	92.6	27.2	96.4	52.0	99.9	87.7	91.1	26.6
North Dakota .....	87.1	33.8	93.0	51.9	91.4	22.3	87.0	32.1
Ohio .....	60.3	4.1	70.2	6.6	76.5	11.0	60.1	3.2
Oklahoma .....	80.8	5.6	89.9	7.4	88.8	9.2	77.7	5.2
Oregon .....	NA	NA	98.8	18.8	98.6	26.1	NA	NA
Pennsylvania .....	57.9	15.2	68.0	16.4	77.6	24.3	57.7	14.2
Rhode Island .....	66.9	14.1	87.8	16.6	99.3	21.7	64.7	49.9
South Carolina .....	98.2	85.4	98.5	81.7	100.0	86.0	98.2	84.9
South Dakota .....	86.0	43.2	86.3	29.7	87.7	43.8	85.6	37.9
Tennessee .....	NA	NA	NA	NA	96.7	53.3	93.1	28.1
Texas .....	59.4	NA	67.0	17.9	86.1	21.3	61.3	17.2
Utah .....	85.5	8.3	85.7	9.2	84.3	9.3	81.2	8.6
Vermont .....	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Virginia .....	74.9	17.4	82.4	15.1	94.2	20.9	73.4	19.2
Washington .....	NA	NA	86.9	26.9	88.9	32.6	NA	NA
West Virginia .....	42.6	7.6	65.7	15.8	63.4	17.3	51.9	6.2
Wisconsin .....	81.3	24.4	88.0	35.9	94.2	46.6	77.6	23.4
Wyoming .....	NA	NA	80.4	1.7	97.9	3.1	87.4	NA
<b>Total</b> .....	71.0	16.1	76.2	18.2	82.8	22.3	71.6	17.0

See footnotes at end of table.

**Table 25. Percentage of Total Deliveries Represented by Onsystem Sales, by State, 1996-1998 — Continued**

State	1998				1997			
	February		January		Total		December	
	Commercial	Industrial	Commercial	Industrial	Commercial	Industrial	Commercial	Industrial
Alabama .....	80.1	17.8	76.7	19.4	<sup>R</sup> 56.8	<sup>R</sup> 18.4	75.3	21.8
Alaska .....	<sup>R</sup> 60.0	100.0	59.9	100.0	<sup>R</sup> 63.1	<sup>R</sup> 97.8	61.7	100.0
Arizona .....	87.2	27.7	86.9	32.3	<sup>R</sup> 84.5	<sup>R</sup> 25.8	85.2	33.8
Arkansas .....	95.3	10.9	95.5	10.5	<sup>R</sup> 93.9	<sup>R</sup> 10.6	95.7	10.5
California .....	54.3	8.7	58.1	11.0	<sup>R</sup> 50.2	<sup>R</sup> 9.8	54.4	9.9
Colorado .....	NA	<sup>R</sup> 1.6	NA	<sup>R</sup> 3.4	NA	NA	NA	NA
Connecticut .....	78.2	57.8	78.4	61.0	<sup>R</sup> 82.3	<sup>R</sup> 65.4	76.9	62.9
Delaware .....	100.0	28.6	100.0	26.4	<sup>R</sup> 100.0	<sup>R</sup> 29.7	100.0	25.8
District of Columbia .....	59.0	—	60.2	—	<sup>R</sup> 58.5	—	60.8	—
Florida .....	<sup>R</sup> 96.3	4.6	<sup>R</sup> 96.3	4.9	<sup>R</sup> 96.6	<sup>R</sup> 6.6	94.7	<sup>R</sup> 5.7
Georgia .....	90.3	16.7	88.7	16.5	<sup>R</sup> 88.0	<sup>R</sup> 16.9	90.6	22.7
Hawaii .....	100.0	—	100.0	—	<sup>R</sup> 100.0	—	100.0	—
Idaho .....	88.7	3.0	90.0	2.5	<sup>R</sup> 86.1	<sup>R</sup> 2.2	86.6	2.0
Illinois .....	50.4	9.8	53.7	10.7	<sup>R</sup> 53.3	<sup>R</sup> 9.9	51.1	10.7
Indiana .....	84.6	11.1	87.5	13.8	<sup>R</sup> 79.7	<sup>R</sup> 13.3	85.7	14.2
Iowa .....	88.7	7.1	87.4	7.4	<sup>R</sup> 87.2	<sup>R</sup> 7.7	88.8	8.4
Kansas .....	73.1	5.3	71.5	5.0	NA	<sup>R</sup> 7.7	NA	<sup>R</sup> 4.3
Kentucky .....	86.5	17.2	90.0	12.3	<sup>R</sup> 89.3	<sup>R</sup> 15.5	90.6	14.2
Louisiana .....	60.9	6.1	74.1	5.4	<sup>R</sup> 98.3	<sup>R</sup> 8.1	98.0	6.3
Maine .....	100.0	97.9	100.0	97.9	<sup>R</sup> 100.0	<sup>R</sup> 91.4	100.0	89.7
Maryland .....	54.7	3.7	65.6	0.7	<sup>R</sup> 64.5	<sup>R</sup> 6.1	61.1	0.9
Massachusetts .....	56.4	32.5	64.3	30.3	<sup>R</sup> 60.4	<sup>R</sup> 18.7	66.2	31.6
Michigan .....	65.2	12.6	69.5	13.5	<sup>R</sup> 62.8	<sup>R</sup> 6.4	64.7	11.8
Minnesota .....	93.3	37.4	91.9	45.0	<sup>R</sup> 98.5	<sup>R</sup> 39.7	98.4	<sup>R</sup> 40.0
Mississippi .....	94.8	38.5	NA	NA	NA	NA	94.4	38.3
Missouri .....	85.4	24.0	85.2	23.7	<sup>R</sup> 79.9	<sup>R</sup> 21.3	82.7	22.9
Montana .....	83.1	4.3	88.3	4.7	<sup>R</sup> 90.8	<sup>R</sup> 3.1	92.7	3.8
Nebraska .....	78.0	23.2	79.9	30.1	<sup>R</sup> 70.4	<sup>R</sup> 21.5	74.1	20.4
Nevada .....	79.8	15.3	77.3	7.2	<sup>R</sup> 71.3	<sup>R</sup> 1.8	72.6	6.9
New Hampshire .....	96.2	37.2	96.4	30.4	<sup>R</sup> 93.4	<sup>R</sup> 52.3	94.0	32.4
New Jersey .....	62.1	34.6	59.4	31.7	<sup>R</sup> 66.1	<sup>R</sup> 48.8	62.6	32.9
New Mexico .....	64.4	1.8	71.5	8.3	<sup>R</sup> 66.9	<sup>R</sup> 14.2	75.5	16.3
New York .....	NA	NA	NA	NA	<sup>R</sup> 57.5	<sup>R</sup> 6.3	59.8	8.3
North Carolina .....	93.1	27.3	93.4	27.6	<sup>R</sup> 94.1	<sup>R</sup> 40.4	95.5	30.7
North Dakota .....	84.9	33.3	89.1	36.1	<sup>R</sup> 88.2	<sup>R</sup> 38.9	84.8	37.3
Ohio .....	60.2	4.7	60.5	4.5	<sup>R</sup> 64.7	<sup>R</sup> 4.0	66.3	5.1
Oklahoma .....	83.2	5.2	81.1	6.3	<sup>R</sup> 85.1	<sup>R</sup> 4.6	85.5	5.4
Oregon .....	99.2	15.3	99.3	19.7	<sup>R</sup> 98.5	<sup>R</sup> 15.7	98.4	14.5
Pennsylvania .....	57.2	15.2	58.7	16.3	<sup>R</sup> 62.1	<sup>R</sup> 13.8	62.4	12.3
Rhode Island .....	71.6	38.5	64.5	39.7	<sup>R</sup> 80.5	<sup>R</sup> 17.4	64.0	36.0
South Carolina .....	98.4	85.4	98.1	85.8	<sup>R</sup> 98.0	<sup>R</sup> 80.6	97.6	81.5
South Dakota .....	85.7	45.9	86.5	45.2	<sup>R</sup> 83.3	<sup>R</sup> 24.0	86.1	34.2
Tennessee .....	87.8	25.5	NA	NA	NA	NA	90.8	24.2
Texas .....	50.7	NA	68.3	13.9	<sup>R</sup> 60.4	NA	66.3	12.9
Utah .....	89.1	8.5	85.7	7.8	<sup>R</sup> 83.2	<sup>R</sup> 9.2	86.1	8.5
Vermont .....	100.0	100.0	100.0	100.0	<sup>R</sup> 100.0	<sup>R</sup> 100.0	100.0	100.0
Virginia .....	76.7	14.6	74.4	18.7	<sup>R</sup> 76.9	<sup>R</sup> 12.5	76.7	14.4
Washington .....	NA	NA	NA	NA	NA	NA	NA	NA
West Virginia .....	29.9	14.9	56.0	6.3	<sup>R</sup> 51.3	<sup>R</sup> 12.1	55.6	11.1
Wisconsin .....	80.3	23.8	85.4	26.0	<sup>R</sup> 80.8	<sup>R</sup> 28.5	82.1	27.9
Wyoming .....	80.3	NA	NA	NA	<sup>R</sup> 73.4	<sup>R</sup> 1.9	92.7	1.9
<b>Total</b> .....	<sup>R</sup> 68.8	<sup>R</sup> 15.9	72.4	<sup>R</sup> 15.4	<sup>R</sup> 69.5	<sup>R</sup> 16.1	72.1	15.1

See footnotes at end of table.

**Table 25. Percentage of Total Deliveries Represented by Onsystem Sales, by State, 1996-1998 — Continued**

State	1997							
	November		October		September		August	
	Commercial	Industrial	Commercial	Industrial	Commercial	Industrial	Commercial	Industrial
Alabama .....	61.7	20.2	42.8	18.2	33.1	17.6	25.1	17.4
Alaska .....	59.4	100.0	60.1	100.0	59.0	100.0	54.2	92.8
Arizona .....	83.2	32.0	81.1	31.0	83.9	30.3	78.7	30.1
Arkansas .....	89.9	11.2	92.2	10.0	90.9	8.7	91.4	7.9
California .....	49.1	7.9	41.6	6.1	40.9	9.9	41.5	7.7
Colorado .....	NA	NA	NA	NA	NA	NA	NA	NA
Connecticut .....	83.1	55.7	62.0	66.5	74.9	65.5	80.1	62.1
Delaware .....	100.0	26.3	100.0	29.0	100.0	25.7	100.0	27.5
District of Columbia .....	60.4	—	44.5	—	35.5	—	38.8	—
Florida .....	95.2	<sup>R</sup> 5.5	96.7	<sup>R</sup> 6.0	96.9	<sup>R</sup> 6.1	97.3	<sup>R</sup> 6.9
Georgia .....	87.3	18.3	84.5	20.6	81.6	9.1	80.1	15.7
Hawaii .....	100.0	—	100.0	—	100.0	—	100.0	—
Idaho .....	83.2	1.9	76.4	1.6	82.5	1.7	82.9	1.4
Illinois .....	51.5	8.2	49.1	7.1	46.7	10.4	39.4	5.3
Indiana .....	91.5	19.2	87.4	12.2	75.4	8.4	74.7	7.8
Iowa .....	84.3	12.0	79.4	10.3	77.2	5.9	84.5	6.5
Kansas .....	56.7	<sup>R</sup> 5.5	66.3	<sup>R</sup> 5.5	50.3	<sup>R</sup> 6.1	44.9	<sup>R</sup> 6.7
Kentucky .....	89.2	14.4	89.3	14.9	83.9	13.0	79.1	11.5
Louisiana .....	97.4	7.4	98.4	7.0	98.1	7.1	99.2	8.0
Maine .....	100.0	92.2	100.0	89.4	100.0	87.8	100.0	88.6
Maryland .....	37.4	41.7	50.5	5.5	49.0	2.0	54.3	4.9
Massachusetts .....	60.0	32.2	46.0	25.9	41.4	28.0	39.1	22.4
Michigan .....	63.9	9.3	53.3	4.2	38.8	3.1	39.8	3.9
Minnesota .....	99.1	<sup>R</sup> 42.0	98.6	<sup>R</sup> 38.0	97.7	<sup>R</sup> 41.5	98.3	<sup>R</sup> 34.2
Mississippi .....	93.3	35.4	89.5	37.5	NA	NA	NA	NA
Missouri .....	78.3	19.9	68.6	19.6	68.4	22.5	68.7	16.7
Montana .....	90.4	2.8	87.9	2.3	85.5	1.9	87.4	2.0
Nebraska .....	68.9	34.2	46.6	17.4	59.0	21.0	64.8	14.4
Nevada .....	67.9	5.9	65.9	5.5	62.9	4.6	63.1	7.0
New Hampshire .....	89.1	34.2	85.7	44.2	86.9	48.4	88.1	47.1
New Jersey .....	58.9	32.2	57.7	27.7	58.1	28.1	59.0	44.0
New Mexico .....	70.9	14.1	57.2	9.5	52.9	14.6	53.2	18.3
New York .....	56.6	7.7	<sup>R</sup> 49.3	8.1	49.8	6.2	44.0	7.8
North Carolina .....	99.4	78.1	98.2	68.8	86.4	21.2	84.4	24.2
North Dakota .....	90.8	35.6	84.0	26.1	74.7	19.4	68.8	28.1
Ohio .....	66.5	4.2	54.1	1.8	49.5	1.5	48.4	2.0
Oklahoma .....	78.5	4.3	75.7	3.1	75.5	3.2	73.6	3.0
Oregon .....	98.4	13.4	97.5	14.5	98.0	13.2	98.3	12.4
Pennsylvania .....	61.9	13.9	48.6	12.7	54.6	12.1	64.5	12.5
Rhode Island .....	80.7	41.2	71.1	39.9	68.7	33.6	67.9	39.6
South Carolina .....	100.0	86.6	99.9	87.5	98.5	84.8	96.4	63.9
South Dakota .....	84.0	37.5	68.3	17.8	59.9	14.0	72.1	12.7
Tennessee .....	92.5	38.9	86.4	26.8	82.4	18.2	80.4	19.8
Texas .....	61.5	12.1	59.4	13.9	47.0	NA	52.3	14.1
Utah .....	83.1	9.8	80.2	9.2	74.8	12.0	71.7	7.9
Vermont .....	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Virginia .....	88.7	21.2	68.1	13.5	67.6	7.4	64.6	4.9
Washington .....	NA	NA	NA	NA	NA	NA	NA	NA
West Virginia .....	50.3	13.8	35.6	13.2	29.8	11.8	21.6	11.2
Wisconsin .....	84.7	28.9	67.9	25.7	60.9	22.8	53.8	21.3
Wyoming .....	79.4	1.3	79.7	2.0	79.2	2.7	75.8	2.1
<b>Total .....</b>	<b>67.5</b>	<b>16.1</b>	<sup>R</sup> 61.9	15.2	58.1	13.8	56.6	13.8

See footnotes at end of table.



**Table 25. Percentage of Total Deliveries Represented by Onsystem Sales, by State, 1996-1998 — Continued**

State	1997							
	July		June		May		April	
	Commercial	Industrial	Commercial	Industrial	Commercial	Industrial	Commercial	Industrial
Alabama .....	22.8	17.3	49.5	17.2	55.5	18.0	59.3	17.3
Alaska .....	59.5	91.4	60.0	99.0	63.8	99.0	65.8	98.8
Arizona .....	79.7	31.3	82.7	18.7	86.1	18.1	83.8	<sup>R</sup> 20.2
Arkansas .....	89.9	9.3	90.7	10.2	91.4	11.3	93.5	10.9
California .....	45.6	7.8	48.2	8.9	49.5	13.0	51.6	10.6
Colorado .....	NA	NA	NA	NA	NA	NA	NA	NA
Connecticut .....	72.8	63.5	77.1	63.7	79.7	65.6	87.1	68.2
Delaware .....	100.0	27.5	100.0	28.2	100.0	34.4	100.0	35.6
District of Columbia .....	43.9	—	46.7	—	53.7	—	100.0	—
Florida .....	96.9	<sup>R</sup> 6.3	97.6	<sup>R</sup> 7.5	97.7	<sup>R</sup> 6.9	97.8	<sup>R</sup> 7.3
Georgia .....	79.1	17.4	82.7	13.4	83.9	12.9	87.2	15.9
Hawaii .....	100.0	—	100.0	—	100.0	—	100.0	—
Idaho .....	83.2	5.2	83.3	2.3	86.5	2.5	86.1	2.1
Illinois .....	45.8	3.4	54.8	14.7	47.4	13.8	53.1	8.4
Indiana .....	72.4	9.0	39.6	9.2	38.3	9.6	82.1	10.6
Iowa .....	75.0	5.3	90.1	5.1	83.2	5.4	90.3	7.2
Kansas .....	46.8	<sup>R</sup> 5.1	56.1	<sup>R</sup> 4.6	58.3	<sup>R</sup> 13.1	66.1	<sup>R</sup> 10.8
Kentucky .....	82.9	12.4	87.7	14.1	85.3	15.7	88.2	14.9
Louisiana .....	98.8	7.9	98.6	8.3	98.5	9.0	98.1	7.6
Maine .....	100.0	100.0	100.0	88.5	100.0	91.2	100.0	91.3
Maryland .....	57.5	3.4	56.5	6.7	62.3	12.5	76.8	1.6
Massachusetts .....	43.6	23.6	46.1	32.3	67.1	41.7	72.2	38.5
Michigan .....	54.7	5.8	44.8	5.4	57.7	7.8	65.3	10.4
Minnesota .....	98.4	<sup>R</sup> 35.6	97.0	<sup>R</sup> 37.4	97.8	<sup>R</sup> 39.0	98.0	<sup>R</sup> 41.6
Mississippi .....	NA	NA	91.5	35.9	96.7	39.8	92.4	35.4
Missouri .....	68.9	18.6	71.5	18.5	76.9	24.1	80.7	16.7
Montana .....	90.4	1.7	88.7	2.2	90.2	2.1	91.1	4.5
Nebraska .....	64.4	34.1	61.4	<sup>R</sup> 16.1	68.2	<sup>R</sup> 20.5	72.3	<sup>R</sup> 17.1
Nevada .....	73.2	10.2	61.0	9.9	65.7	7.4	69.2	8.0
New Hampshire .....	87.0	51.4	90.7	55.4	91.6	75.1	92.0	62.3
New Jersey .....	55.6	26.5	60.8	26.3	56.5	28.5	64.0	36.9
New Mexico .....	53.5	18.5	43.1	8.1	59.5	10.9	58.1	2.8
New York .....	49.6	17.7	49.9	7.2	54.9	8.5	60.6	9.1
North Carolina .....	84.6	20.4	97.5	40.8	89.3	21.7	87.5	22.4
North Dakota .....	46.5	<sup>R</sup> 34.6	80.8	28.9	88.7	36.5	91.9	39.4
Ohio .....	46.5	2.0	46.3	2.0	58.0	3.2	64.8	3.3
Oklahoma .....	79.0	3.8	79.2	2.1	82.0	4.1	86.3	3.7
Oregon .....	98.3	13.8	98.1	17.3	98.5	16.7	98.5	19.3
Pennsylvania .....	54.5	10.8	54.7	13.1	48.0	13.3	64.7	14.1
Rhode Island .....	71.1	41.7	72.4	48.1	80.8	48.5	88.5	55.8
South Carolina .....	99.9	74.5	91.0	89.0	100.0	87.0	<sup>R</sup> 95.2	77.7
South Dakota .....	78.3	12.0	83.7	10.7	80.7	17.3	85.7	22.6
Tennessee .....	80.7	24.4	NA	NA	86.7	29.6	90.4	28.1
Texas .....	50.6	14.2	56.6	19.1	56.5	18.1	59.2	20.1
Utah .....	72.8	8.2	77.0	9.4	78.8	9.0	83.8	9.2
Vermont .....	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Virginia .....	62.9	5.5	65.3	8.1	72.2	6.5	72.6	12.2
Washington .....	NA	NA	79.8	25.5	80.7	21.0	83.1	26.8
West Virginia .....	23.2	11.8	29.1	11.3	43.8	11.4	49.6	7.1
Wisconsin .....	66.1	20.4	58.8	19.9	75.5	27.6	81.8	25.6
Wyoming .....	28.8	2.1	52.1	1.9	77.8	1.8	62.1	1.9
<b>Total .....</b>	<b>58.7</b>	<b><sup>R</sup>14.7</b>	<b>60.3</b>	<b>16.0</b>	<b>63.8</b>	<b>16.6</b>	<b>70.9</b>	<b><sup>R</sup>16.8</b>

See footnotes at end of table.

**Table 25. Percentage of Total Deliveries Represented by Onsystem Sales, by State, 1996-1998 — Continued**

State	1997						1996	
	March		February		January		Total	
	Commercial	Industrial	Commercial	Industrial	Commercial	Industrial	Commercial	Industrial
Alabama .....	76.2	17.9	79.7	19.5	77.7	17.7	81.1	22.6
Alaska .....	66.0	98.6	67.3	97.9	69.5	97.1	63.4	64.3
Arizona .....	86.5	<sup>R</sup> 20.1	87.8	<sup>R</sup> 22.6	87.4	<sup>R</sup> 18.2	85.2	19.7
Arkansas .....	94.9	12.1	96.6	13.6	96.1	12.9	95.0	13.3
California .....	54.5	11.0	58.5	11.3	58.0	11.3	54.9	11.2
Colorado .....	NA	NA	NA	NA	NA	NA	93.2	7.4
Connecticut .....	87.0	68.2	90.2	78.8	90.1	76.0	87.0	84.6
Delaware .....	100.0	32.7	100.0	34.0	100.0	28.8	100.0	37.3
District of Columbia .....	59.9	—	62.8	—	67.9	—	70.5	—
Florida .....	97.0	<sup>R</sup> 7.1	96.6	<sup>R</sup> 8.7	96.1	<sup>R</sup> 9.1	97.1	13.4
Georgia .....	88.9	15.7	92.7	21.1	93.7	20.0	94.1	32.2
Hawaii .....	100.0	—	100.0	—	100.0	—	100.0	—
Idaho .....	87.8	2.1	89.7	2.2	87.8	1.9	86.6	1.4
Illinois .....	54.4	10.3	54.3	9.8	62.0	14.6	53.9	13.7
Indiana .....	86.5	12.7	93.0	19.8	93.7	20.1	96.3	16.6
Iowa .....	88.5	7.4	89.4	7.2	90.3	9.6	87.7	9.0
Kansas .....	60.1	<sup>R</sup> 10.7	65.7	<sup>R</sup> 11.6	86.2	<sup>R</sup> 8.1	71.7	7.7
Kentucky .....	89.6	15.5	90.8	19.4	91.9	22.1	90.8	27.1
Louisiana .....	<sup>R</sup> 98.6	10.7	98.4	8.6	<sup>R</sup> 97.9	9.5	98.3	10.6
Maine .....	100.0	91.8	100.0	100.0	100.0	100.0	100.0	91.0
Maryland .....	79.8	17.3	82.8	14.7	84.5	2.8	91.9	11.7
Massachusetts .....	70.9	34.4	67.3	36.8	67.3	34.3	74.7	41.9
Michigan .....	66.4	12.8	69.4	14.2	69.2	14.0	66.9	12.5
Minnesota .....	99.0	<sup>R</sup> 42.2	98.7	<sup>R</sup> 45.0	98.6	<sup>R</sup> 37.3	96.2	41.3
Mississippi .....	95.8	36.5	96.3	37.6	96.9	38.4	97.4	41.7
Missouri .....	83.9	27.3	79.9	19.5	86.3	28.3	82.2	24.7
Montana .....	90.4	4.1	93.0	4.1	90.9	4.4	91.5	3.4
Nebraska .....	70.8	<sup>R</sup> 20.2	87.9	<sup>R</sup> 25.6	77.6	<sup>R</sup> 27.3	70.0	20.4
Nevada .....	78.1	7.3	79.7	15.2	77.2	8.3	74.2	7.2
New Hampshire .....	94.0	53.6	99.1	52.1	98.8	44.2	96.9	55.4
New Jersey .....	68.5	30.3	93.5	36.0	70.6	35.9	73.3	53.6
New Mexico .....	70.5	3.9	72.5	2.1	74.0	19.4	64.7	3.5
New York .....	63.4	9.9	65.8	10.0	66.3	11.8	77.0	14.7
North Carolina .....	91.6	30.2	95.9	39.6	100.0	90.1	96.5	59.4
North Dakota .....	91.4	59.4	93.9	49.5	93.4	43.3	88.0	26.5
Ohio .....	69.2	5.5	68.5	5.6	72.5	8.4	71.8	7.4
Oklahoma .....	88.1	5.9	90.5	8.7	90.7	7.4	84.5	6.6
Oregon .....	98.8	19.6	98.9	20.2	98.8	17.0	98.3	18.0
Pennsylvania .....	64.3	15.4	69.8	14.9	69.3	18.9	70.4	18.5
Rhode Island .....	82.2	61.7	91.7	45.9	89.6	38.1	91.8	16.9
South Carolina .....	97.4	80.3	<sup>R</sup> 97.9	78.2	100.0	86.8	99.0	85.8
South Dakota .....	86.3	26.7	85.7	30.4	86.9	31.4	82.7	24.6
Tennessee .....	NA	NA	92.5	28.7	94.0	35.9	94.3	47.0
Texas .....	60.5	17.3	<sup>R</sup> 68.1	17.1	<sup>R</sup> 71.1	19.2	83.5	20.2
Utah .....	83.0	6.7	87.2	10.8	86.2	10.2	81.9	9.0
Vermont .....	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Virginia .....	77.0	13.2	81.6	6.8	87.5	15.5	85.3	18.0
Washington .....	86.0	27.3	86.7	26.8	87.8	26.7	85.9	24.4
West Virginia .....	60.3	19.7	67.8	14.8	67.8	14.4	56.3	14.3
Wisconsin .....	87.4	34.0	87.3	35.9	88.8	37.6	91.6	36.4
Wyoming .....	74.0	1.8	82.1	1.9	85.0	1.5	85.9	2.9
<b>Total</b> .....	<sup>R</sup> 73.1	17.4	76.9	17.7	<sup>R</sup> 78.0	19.4	77.6	19.4

See footnotes at end of table.

**Table 25. Percentage of Total Deliveries Represented by Onsystem Sales, by State, 1996-1998 — Continued**

State	1996							
	December		November		October		September	
	Commercial	Industrial	Commercial	Industrial	Commercial	Industrial	Commercial	Industrial
Alabama .....	80.7	22.4	73.2	22.6	71.2	20.4	73.1	20.8
Alaska .....	61.8	68.0	58.2	71.3	54.2	64.8	50.7	67.0
Arizona .....	84.1	19.9	84.1	18.2	83.2	16.8	83.5	16.7
Arkansas .....	95.7	13.8	94.1	13.6	90.2	13.6	92.7	11.3
California .....	56.1	9.9	57.9	10.8	44.1	9.3	45.3	9.9
Colorado .....	94.3	7.1	92.8	8.3	89.1	9.7	90.6	9.2
Connecticut .....	87.9	80.1	84.0	74.8	81.3	71.9	68.9	71.2
Delaware .....	100.0	30.8	100.0	32.5	100.0	30.7	100.0	27.6
District of Columbia .....	65.3	—	55.1	—	48.0	—	46.9	—
Florida .....	96.1	12.5	97.0	11.1	97.4	12.2	97.6	10.1
Georgia .....	93.2	31.6	92.2	26.7	90.6	28.9	86.6	35.0
Hawaii .....	100.0	—	100.0	—	100.0	—	100.0	—
Idaho .....	87.6	2.6	84.9	0.5	77.3	1.7	80.0	1.3
Illinois .....	56.1	22.5	53.0	13.7	48.8	8.6	43.2	6.4
Indiana .....	97.4	21.4	96.1	16.3	91.5	11.7	86.8	9.2
Iowa .....	87.2	11.7	86.6	18.4	81.8	9.8	77.0	5.6
Kansas .....	71.6	8.3	82.4	6.9	70.0	9.2	72.8	9.4
Kentucky .....	91.9	24.1	88.9	21.5	88.9	20.9	84.3	18.6
Louisiana .....	98.0	11.3	98.3	NA	98.6	NA	98.9	10.2
Maine .....	100.0	90.2	100.0	91.5	100.0	91.3	100.0	89.1
Maryland .....	93.2	19.7	92.2	2.1	87.3	3.7	87.0	1.6
Massachusetts .....	68.9	33.8	62.5	45.3	69.5	39.6	55.4	34.6
Michigan .....	70.2	15.8	67.2	12.7	55.8	8.1	44.6	5.5
Minnesota .....	95.6	44.5	94.8	44.1	92.4	41.2	90.3	35.8
Mississippi .....	96.9	44.1	96.7	44.8	96.0	39.1	97.2	40.0
Missouri .....	84.6	33.1	78.6	27.7	69.3	17.0	67.3	18.2
Montana .....	92.7	4.3	91.6	4.4	87.5	2.8	86.1	2.1
Nebraska .....	76.6	23.5	68.6	23.3	40.3	15.2	66.2	17.0
Nevada .....	74.9	7.8	70.8	7.4	64.0	5.2	67.6	5.3
New Hampshire .....	96.1	45.4	93.6	59.3	94.3	53.7	96.0	53.7
New Jersey .....	70.2	35.5	69.4	52.7	67.2	48.2	61.8	53.2
New Mexico .....	71.8	13.3	68.5	4.8	63.5	2.6	61.3	2.0
New York .....	NA	13.1	NA	11.4	NA	11.3	NA	12.5
North Carolina .....	99.0	91.6	92.0	49.7	85.7	26.7	86.1	24.7
North Dakota .....	91.0	43.9	89.7	49.6	79.9	36.2	69.1	21.1
Ohio .....	74.0	10.0	72.4	7.8	68.5	3.7	65.1	4.3
Oklahoma .....	87.6	7.1	82.1	7.6	73.0	4.7	72.7	4.8
Oregon .....	98.6	16.0	98.3	14.4	97.0	14.1	97.6	14.2
Pennsylvania .....	61.0	22.3	63.3	16.6	59.7	13.5	66.3	13.8
Rhode Island .....	89.1	12.4	87.3	17.4	66.5	18.3	49.9	13.2
South Carolina .....	100.0	89.3	97.4	85.8	96.4	83.4	97.3	84.5
South Dakota .....	82.8	23.5	80.6	24.2	72.9	10.4	69.4	7.9
Tennessee .....	95.3	42.8	92.8	40.6	87.3	45.0	80.8	36.2
Texas .....	87.1	17.5	84.2	16.5	NA	20.2	77.9	19.4
Utah .....	84.4	9.7	81.2	9.3	79.5	9.4	78.4	8.3
Vermont .....	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Virginia .....	88.1	22.1	84.8	21.4	74.3	11.1	65.5	11.9
Washington .....	87.4	27.2	84.6	22.2	82.7	19.8	81.5	20.4
West Virginia .....	71.3	14.4	54.5	14.8	43.4	13.3	34.7	12.0
Wisconsin .....	91.8	34.5	90.9	34.6	87.1	29.9	82.4	26.6
Wyoming .....	69.0	3.1	81.1	0.8	70.5	0.9	98.7	4.0
<b>Total .....</b>	<b>78.1</b>	<b>20.0</b>	<b>75.7</b>	<b>18.5</b>	<b>69.1</b>	<b>17.2</b>	<b>67.1</b>	<b>16.9</b>

<sup>R</sup> = Revised Data.

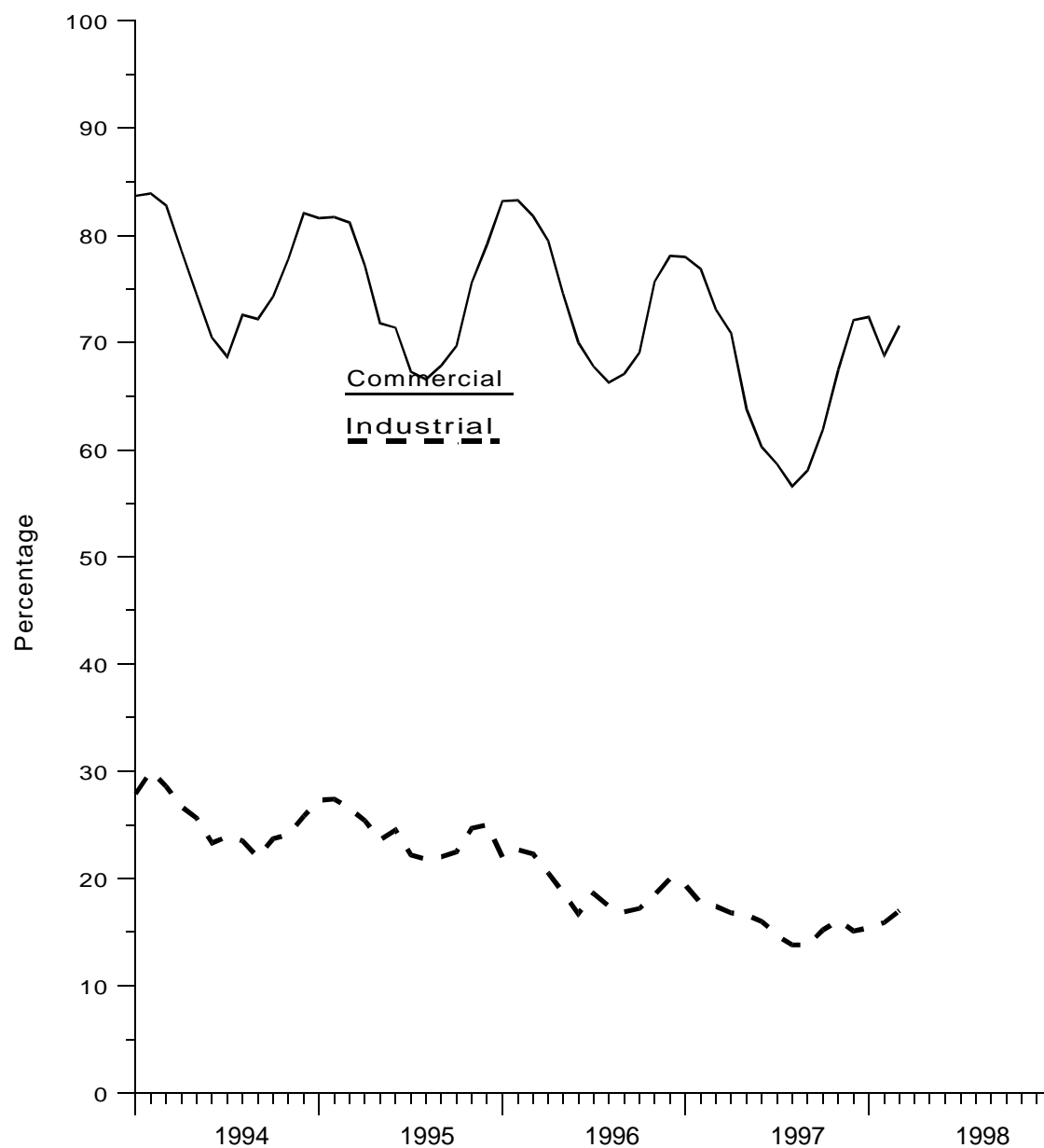
NA = Not Available.

— = Not Applicable.

Notes: Volumes of natural gas reported for the commercial and industrial sectors in this publication include data for both sales and deliveries for the account of others. This table shows the percent of the total State volume that represents natural gas sales to the commercial and industrial sectors. This information may be helpful in evaluating commercial and industrial price data which are based on sales data only. See Appendix C, Statistical Considerations, for a discussion of the computation of natural gas prices.

Source: Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers."

**Figure 6. Percentage of Total Deliveries Represented by Onsystem Sales, 1994-1998**



Sources: Energy Information Administration, Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers" and Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition."

## Appendix A

### Explanatory Notes

The Energy Information Administration (EIA) publishes monthly data for the supply and disposition of natural gas in the United States in the *Natural Gas Monthly* (NGM). The information in this Appendix is provided to assist users in evaluating the monthly data. There is a brief description of what data are estimated and what data are taken from submitted reports, followed by ten technical notes that provide important information for individual data series.

The monthly data are preliminary when initially published. Data shown in this report for the most current months are taken from the EIA Short-Term Integrated Forecasting System (STIFS) model computations. Each month, EIA staff review the STIFS model estimates and adjust them, if necessary, based on their knowledge of new developments in the natural gas industry. Data for prior months are estimated or taken from submitted reports.

**Table A1. Methodology for Reporting Initial Monthly Natural Gas Supply and Disposition Data**

Components	Reporting Methodology
<b>Supply and Disposition</b>	
Marketed Production	Reported on Form EIA-895 and Estimated from Historical Data
Extraction Loss	Derived from Marketed Production
Dry Production	Marketed Production minus Extraction Loss
Withdrawals from Storage	Reported on Form EIA-191
Supplemental Gaseous Fuels	Derived from Supply Estimates and Coal Gasification Information
Imports	Estimated from National Energy Board of Canada Information and Liquefied Natural Gas Information
Additions to Storage	Reported on Form EIA-191
Exports	Estimated from Industry Trends and Liquefied Natural Gas Information
Current-Month Consumption	Estimated from Historical Month-to-Month Percent Changes
<b>Consumption by Sector</b>	
Lease and Plant Fuel	Derived from Marketed Production
Pipeline Fuel	Derived from Estimates for Lease and Plant Fuel and Deliveries to Consumers
Residential	Estimated from Reports to the Sample Survey Form EIA-857
Commercial	Estimated from Reports to the Sample Survey Form EIA-857
Industrial	Estimated from Reports to the Sample Survey Form EIA-857
Electric Utilities	Reported on Form EIA-759

For data that are not taken from STIFS computations, Table A1 below lists the methodologies for deriving the monthly data to be published.

The STIFS model contains a series of calculations that produce forecasts for all of the energy industry. It is driven primarily by three sets of inputs or assumptions: estimates of key macroeconomic variables, world oil price assumptions, and assumptions about the severity of weather. The natural gas estimates also reflect other key inputs or assumptions including gas wellhead prices, electric power generation by other energy sources, and U.S. gas import capacity. The macroeconomic variable estimates are produced by DRI/McGraw-Hill but are adjusted by EIA to reflect EIA assumptions about the world price of oil, energy product prices, and other assumptions which may affect the macroeconomic outlook. The EIA publishes forecasts for the energy industry each quarter in the *Short-Term Energy Outlook*.

For production, total supply and disposition, and storage data (Tables 1, 2, and 9), the most current two months shown are estimates produced from STIFS computations, and data that are two months or more prior to the date of publication are estimated or taken from submitted reports. For example, in the March issue of the NGM, February and March data are taken from the STIFS model computations while January and prior months data are estimated from available data sources or reported directly on EIA forms. For consumption data by sector (Table 3), the most current three months shown are estimates produced from STIFS computations while data that are three months prior to date of publication are taken from EIA forms.

## **Note 1. Nonhydrocarbon Gases Removed**

### ***Annual Data***

Data on nonhydrocarbon gases removed from marketed production—carbon dioxide, helium, hydrogen sulfide, and nitrogen—are reported by State agencies on the voluntary Form EIA-895. For 1995, of the 33 producing States, 22 reported data on nonhydrocarbon gases removed. The 22 States accounted for 60 percent of total 1995 gross withdrawals. Of the 22 States reporting nonhydrocarbon gases removed, 11 reported zero values: Alaska, Arizona, Arkansas, Colorado, Illinois, Maryland, Missouri, Nevada, New York, South Dakota, and Virginia. The ten States reporting

volumes greater than zero are Alabama, California, Florida, Kentucky, Mississippi, Nebraska, New Mexico, North Dakota, Texas, and Wyoming. In addition, Kansas, Louisiana, Montana, and Oklahoma, which together accounted for 40 percent of gross withdrawals, did not report nonhydrocarbon gases removed separately. However, their gross withdrawal data excluded all or most of the nonhydrocarbon gases removed on leases. No estimates are made for States not reporting nonhydrocarbon gases removed.

### ***Preliminary Monthly Data***

All monthly data are considered preliminary until after publication of the *Natural Gas Annual* for the year in which the report month falls. Seven States report monthly data on nonhydrocarbon gases removed: Alabama, Arizona, Mississippi, New Mexico, North Dakota, Oregon and Texas. Monthly data for California, Colorado, Florida, and Wyoming are estimated based on annual data reported on Form EIA-895. Nonhydrocarbon gases as an annual percentage of gross withdrawals reported by each of the six States is applied to each State's monthly gross withdrawal data to produce an estimate of nonhydrocarbon gases removed.

### ***Final Monthly Data***

Beginning with report year 1990, States filing the Form EIA-627, "Annual Quantity and Value of Natural Gas Report," were asked to supply monthly breakdowns of all data previously reported on an annual basis. The sums of the reported figures were used to calculate monthly volumes. In 1997 the Form EIA-627 was discontinued. States were requested to file an annual schedule on the monthly Form EIA-895, "Monthly Quantity and Value of Natural Gas Report."

For States not supplying monthly data on the annual schedule of the EIA-895, final monthly data are calculated by proportionally allocating the differences between total annual data reported on the Form EIA-895 and the sum of monthly data (January-December).

## **Note 2. Supplemental Gaseous Fuels**

### ***Annual Data***

Annual data are published from Form EIA-176.

### ***Preliminary Monthly Data***

All monthly data are considered preliminary until after the publication of the *Natural Gas Annual* for the year in which the report month falls. Monthly estimates are based on the annual ratio of supplemental gaseous fuels to the sum of dry gas production, net imports, and net withdrawals from storage. This ratio is applied to the monthly sum of these three elements to compute a monthly supplemental gaseous fuels figure.

### ***Final Monthly Data***

Monthly data are revised after publication of the *Natural Gas Annual*. Final monthly data are estimated based on the revised annual ratio of supplemental gaseous fuels to the sum of dry gas production, net imports, and net withdrawals from storage. This ratio is applied to the revised monthly sum of these three elements to compute final monthly data.

## **Note 3. Production**

### ***Annual Data***

Natural gas production data are collected from 33 gas-producing States on Form EIA-895 which includes gross withdrawals, vented and flared, repressuring, nonhydrocarbon gases removed, fuel used on leases, marketed production (wet), and extraction loss. The U.S. Minerals Management Service (MMS) also supplies data on the quantity and value of natural gas production on the Gulf of Mexico and Outer Continental Shelf. No adjustments are made to the data.

### ***Estimated Monthly Data***

State marketed production data for a particular month are estimated if data are unavailable at the time of publication. The data are estimated based on final monthly data reported on the Form EIA-895 for the previous year.

Estimates for total U.S. marketed production are based on final monthly data reported on the Form EIA-895 for the previous year. State estimates for non-hydrocarbon gas removed, gas used for repressuring,

and gas vented and flared are based on the ratio of the item to gross withdrawals as reported on the EIA-895. These ratios are applied to the month's estimates for gross withdrawals to calculate figures for non-hydrocarbon gases removed, gas used for repressuring, and gas vented and flared. Estimates for gross withdrawal data are calculated from final monthly data filed on Form EIA-895 for the previous year.

### ***Preliminary Monthly Data***

All monthly data are considered preliminary until after publication of the *Natural Gas Annual* for the year in which the report month falls. Preliminary monthly data are published from reports from the Form EIA-895 and the MMS. Volumetric data are converted, as necessary, to a standard 14.73 psia pressure base. Data are revised as Table 7 monthly data are updated.

### ***Final Monthly Data***

Final monthly data for 1993, 1994, and 1995 are the sums of monthly data reported on the annual Form EIA-627, "Annual Quantity and Value of Natural Gas Report." For prior years, the differences between each State's annual production data reported on the EIA-627 and the sum of its monthly IOGCC reports for the year were allocated proportionally to the monthly IOGCC data.

## **Note 4. Imports and Exports**

### ***Annual Data and Final Monthly Data***

Annual and final monthly data are published from the Office of Fossil Energy, U.S. Department of Energy, *Natural Gas Imports and Exports*, which requires data to be reported each quarter by month for the calendar year.

### ***Preliminary Monthly Data - Imports***

Preliminary monthly import data are based on data from the National Energy Board of Canada and responses to informal industry contacts and EIA estimates. Preliminary data are revised after the publication of the article "U.S. Imports and Exports of Natural Gas" for the calendar year.

## ***Preliminary Monthly Data - Exports***

Preliminary monthly export data are based on historical data from the Office of Fossil Energy, U.S. Department of Energy, *Natural Gas Imports and Exports*, informal industry contacts, and information gathered from natural gas industry trade publications. Preliminary monthly data are revised after publication of "U.S. Imports and Exports of Natural Gas" for the calendar year in which the report month falls.

## **Note 5. Consumption**

### ***All Annual Data***

All consumption data except electric utility data are from the Form EIA-857 and Form EIA-176. No adjustments are made to the data. Electric utility data are reported on Form EIA-759.

### ***Monthly Data***

All monthly data are considered preliminary until after publication of the *Natural Gas Annual*.

### ***Total Consumption***

#### **Preliminary Monthly Data**

The most current month estimate is calculated based on the arithmetic average change from the previous month for the previous 3 years. The following month this estimate is revised by summing the components (pipeline fuel, lease and plant fuel, and deliveries to consumers).

#### **Final Monthly Data**

Monthly data are revised after publication of the *Natural Gas Annual*. Final monthly total consumption is obtained by summing its components.

### ***Residential, Commercial, and Industrial Sector Consumption***

#### **Preliminary Monthly Data**

Preliminary monthly residential, commercial, and industrial data are from Form EIA-857. See Appendix C, "Statistical Considerations," for a detailed explanation of sample selection and estimation procedures.

## **Average Price of Deliveries to Consumers**

Price data are representative of prices for gas sold and delivered to residential, commercial, and industrial consumers. These prices do not reflect average prices of natural gas transported to consumers for the account of third parties or "spot-market" prices.

### **Final Monthly Data**

Monthly data are revised after the publication of the *Natural Gas Annual*. Final monthly data are estimated by allocating annual consumption data from the Form EIA-176 to each month in proportion to monthly volumes reported in Form EIA-857.

## ***Agricultural Use***

Beginning with the reporting of 1996 annual data, the EIA changed the customer category used for reporting deliveries to consumers in the agricultural industry from commercial to industrial. In 1995 and earlier years, consumption of natural gas for agricultural use was classified as commercial use. Separate reports of the volumes affected are not available so the direct impact of this change is not known. Most natural gas consumed in agriculture is used to drive irrigation systems and to dry crops.

For the reporting of monthly data, the customer category will not be changed until 1998. In 1996, the monthly data reported under the old classification were adjusted to the annual data reported under the new classification. Monthly 1997 data will be adjusted in the same way as the 1996 data.

In comparing sectoral use over time, note that:

- There is an inherent shift in natural gas volumes from the commercial to industrial sectors due simply to changes in the reporting requirements. This break in series may indicate a spurious increase in industrial consumption with a corresponding decrease in the commercial sector.
- The sum of natural gas volumes consumed by the commercial and industrial sectors will not be changed by this modification of the instructions.

## ***Electric Utility Sector Consumption***

### **All Monthly Data**

Monthly data published are from Form EIA-759.



## ***Pipeline Fuel Consumption***

### **Preliminary Monthly Data**

Preliminary data are estimated based on the pipeline fuel consumption as an annual percentage of total consumption from the previous year's Form EIA-176. This percentage is applied to each month's total consumption figure to compute the monthly estimate.

### **Final Monthly Data**

Monthly data are revised after the publication of the *Natural Gas Annual*. Final monthly data are based on the revised annual ratio of pipeline fuel consumption to total consumption from the Form EIA-176. This ratio is applied to each month's revised total consumption figure to compute final monthly pipeline fuel consumption estimates.

## ***Lease and Plant Fuel Consumption***

### **Preliminary Monthly Data**

Preliminary monthly data are estimated based on lease and plant fuel consumption as an annual percentage of marketed production. This percentage is applied to each month's marketed production figure to compute estimated lease and plant fuel consumption.

### **Final Monthly Data**

Monthly data are revised after publication of the *Natural Gas Annual*. Final monthly plant fuel data are based on a revised annual ratio of lease and plant fuel consumption to marketed production from Form EIA-176. This ratio is applied to each month's revised marketed production figure to compute final monthly plant fuel consumption estimates. Final monthly lease data are collected on the Form EIA-627 and estimates from the Form EIA-176. See the *Natural Gas Annual* for a complete discussion of this process.

## **Note 6. Extraction Loss**

### ***Annual Data***

Extraction loss data are calculated from filings of Form EIA-64A, "Annual Report of the Origin of Natural Gas Liquids Production." For a fuller discussion, see the *Natural Gas Annual*.

## **Preliminary Monthly Data**

Preliminary data are estimated based on extraction loss as an annual percentage of marketed production. This percentage is applied to each month's marketed production to estimate monthly extraction loss.

### ***Final Monthly Data***

Monthly data are revised after the publication of the *Natural Gas Annual*. Final monthly data are estimated by allocating annual extraction loss data to each month based on its total natural gas marketed production.

## **Note 7. Natural Gas Storage**

### ***Underground Natural Gas Storage***

All monthly data concerning underground storage are published from the EIA-191. A new EIA-191 became effective in January 1994. Injection and withdrawal data from the EIA-191 survey are adjusted to correspond to data from Form EIA-176 following publication of the *Natural Gas Annual*.

### ***Underground and Liquefied Natural Gas Storage***

The final monthly and annual storage and withdrawal data for 1991 through 1995 shown in Table 2 include both underground and liquefied natural gas (LNG) storage. Underground storage data are obtained from the EIA-191 and EIA-176 surveys in the manner described earlier. Annual data on LNG additions and withdrawals are taken from Form EIA-176. Monthly data are estimated by computing the ratio of each month's underground storage additions and withdrawals to annual underground storage additions and withdrawals and applying it to annual LNG data.

### ***Types of Underground Storage Facilities***

There are three principal types of underground storage facilities in operation in the United States today: salt caverns (caverns hollowed out in salt "bed" or "dome" formations), depleted fields (depleted reservoirs in oil and/or gas fields), and aquifer reservoirs (water-only reservoirs conditioned to hold natural gas). A storage facility's daily deliverability or withdrawal capability

is the amount of gas that can be withdrawn from it in a 24-hour period. Salt cavern storage facilities generally have high deliverability because all of the working gas in a given facility can be withdrawn in a relatively short period of time. (A typical salt cavern cycle is 10 days to deplete working gas, and 20 days to refill working gas.) By contrast, depleted field and aquifer reservoirs are designed and operated to withdraw all working gas over the course of an entire heating season (about 150 days). Further, while both traditional and salt cavern facilities can be switched from withdrawal to injection operations during the heating season, this is usually more quickly and easily done in salt cavern facilities, reflecting their greater operational flexibility.

## **Note 8. Average Wellhead Value**

### ***Annual Data***

Form EIA-895 requests State agencies to report the quantity and value of marketed production. When complete data are unavailable, the form instructs the State agency to report the available value and the quantity of marketed production associated with this value. A number of States reported volumes of production and associated values for other than marketed production. In addition, information for several States which were unable to provide data was obtained from Form EIA-176. It should be noted that Form EIA-176 reports a fraction of State production. The imputed value of marketed production in each State is calculated by dividing the State's reported value by its associated production. This unit price is then applied to the quantity of the State's marketed production to derive the imputed value of marketed production.

### ***Preliminary Monthly Data***

A preliminary estimate of the U.S. gas price is made each month based on the change in the production-weighted gas price from five States: Kansas, Mississippi, New Mexico, Oklahoma, and Texas. Gas prices for these five States are used because both their gas production and value represent a substantial sample of the U.S. gas production and value (roughly 50 percent), and their prices are readily available and provide a consistent series. The latest preliminary U.S. gas price estimate is calculated by multiplying the preliminary U.S. gas price estimate for the prior month by the ratio of the five States' gas price for the latest month to that

of the prior month. This estimate replaces the initial gas price estimate.

### ***Final Monthly Data***

Preliminary monthly gas price data for Kansas, Mississippi, New Mexico, Oklahoma, and Texas are replaced by final monthly data that are adjusted to match the annual prices published in the *Natural Gas Annual* for each State. A revised set of the monthly U.S. gas price estimates are derived based on the monthly change in the production-weighted prices for these five States and adjusted to match the U.S. gas price published in the *Natural Gas Annual*.

## **Note 9. Balancing Item**

The "balancing item" category represents the difference between the sum of the components of natural gas supply and the sum of the components of natural gas disposition. These differences may be due to quantities lost or to the effects of data reporting problems.

Reporting problems include differences due to the net result of conversions of flow data metered at varying temperatures and pressure bases and converted to a standard temperature and pressure base; the effect of variations in company accounting and billing practices; differences between billing cycles and calendar periods; and imbalances resulting from the merger of data reporting systems, which vary in scope, format, definitions, and type of respondents.

### ***Annual Data***

Annual data are from the *Natural Gas Annual*. For an explanation of the methodology involved in calculating annual "balancing item" data, see the *Natural Gas Annual*.

### ***Preliminary Monthly Data***

Preliminary monthly data in the "balancing item" category are calculated by subtracting dry gas production, withdrawals from storage, supplemental gaseous fuels, and imports from total supply/disposition.

## **Note 10. Heating Degree-Days**

Degree-days are relative measurements of outdoor air temperature. Heating degree-days are deviations of the mean daily temperature below 65 degrees Fahrenheit. A weather station recording a mean daily temperature of 40 degrees Fahrenheit would report 25 heating degree-days. There are several degree-day data bases maintained by the National Oceanic and Atmospheric Administration. The information published in the

Natural Gas Monthly is developed by the National Weather Service Climate Analysis Center, Camp Springs, Maryland.

The data are available weekly with monthly summaries and are based on mean daily temperatures recorded at about 200 major weather stations around the country. The temperature information recorded at these weather stations is used to calculate Statewide degree-day averages weighted by gas home customers. The State figures are then aggregated into Census Divisions and into the national average.

## Appendix B

### Data Sources

The data in this publication are taken from survey reports authorized by the U.S. Department of Energy (DOE), Energy Information Administration (EIA) and by the Federal Energy Regulatory Commission (FERC). The EIA is the independent statistical and analytical agency within the DOE. The FERC is an independent regulatory commission within the DOE which has jurisdiction primarily in the regulation of electric utilities and the interstate natural gas industry. The EIA conducts and processes some of the surveys authorized by the FERC. Data are collected from two annual surveys and four monthly surveys.

The annual reports are the Form EIA-176, a mandatory survey of all companies that deliver natural gas to consumers or that transport gas across State lines, and the Form EIA-627, a voluntary survey completed by energy or conservation agencies in the gas-producing States.

The monthly reports include two surveys of the natural gas industry and two surveys of the electric utility industry. The natural gas industry survey is the Form EIA-191 filed by companies that operate underground storage facilities, and the Form EIA-857 filed by a sample of companies that deliver natural gas to consumers. The electric utility industry surveys are the Form EIA-759 filed by all generating electric utilities and the Form FERC-423 filed by fossil fueled plants. Responses to these four monthly surveys are mandatory.

A description of the survey respondents, reporting requirements, and processing and editing of the data is given on the following pages for each of the surveys.

#### **Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition"**

##### ***Survey Design***

The original version of Form EIA-176 was approved in 1980 with a mandatory response requirement. Prior to 1980, published data were based on voluntary responses to Bureau of Mines, U.S. Department of the Interior predecessor Forms BOM-6-1340-A and BOM-6-1341-A of the same title.

In 1982, the scope of the revised EIA-176 survey was expanded to collect the number of electric utility consumers in each State, volumes of gas transported to industrial and electric utility consumers, detailed information on volumes transported across State borders by the respondent for others and for the responding company, and detailed information on other disposition. These changes were incorporated to provide more complete survey information with a minimal change in respondent burden. The 1982 version of the Form EIA-176 continues to be the basis for the current version of this form.

In 1988, the Form EIA-176 was revised to include data collection for deliveries of natural gas to commercial and industrial consumers for the account of others. A short version of Form EIA-176 was also approved in 1988. Companies engaged in purchase and delivery activities but not in transportation and storage activities may file the short form. Usually, these companies are municipals handling small volumes of gas.

In 1990, the Form EIA-176 was revised to include more detailed information for gas withdrawn from storage facilities, gas added to storage facilities, deliveries of company-owned natural gas and natural gas transported for the account of others. The revised form was approved for use beginning with report year 1990.

Upon the Office of Management and Budget's approval in 1993, the Form EIA-176 was again revised. All deliveries to consumers are now categorized as firm or interruptible. Commercial and industrial consumers are further categorized as nonutility power producers or as those excluding nonutility power producers.

Data reported on this form are no longer considered proprietary. Response to the form continues to be mandatory.

### ***Survey Universe and Response Statistics***

The Form EIA-176 is mailed to all identified interstate and intrastate natural gas pipeline companies, investor and municipally owned natural gas distributors, underground natural gas storage operators, synthetic natural gas plant operators, and field, well, or processing plant operators that deliver natural gas directly to consumers (including their own industrial facilities) and/or that transport gas to, across, or from a State border through field or gathering facilities.

Each company and its parent company or subsidiaries were required to file if they met the survey specifications. The original mailing in 1996 for report year 1995 totaled 1,991 questionnaire packages. To this original mailing, 11 names were added and 61 were deleted as a result of the survey processing. Additions were the result of comparisons of the mailing list to other survey mailing lists. Deletions resulted from post office returns and determinations that companies were out of business, sold, or not within the scope of the survey. After all updates, the survey universe was 1,941 responses from approximately 1,800 companies.

Following the original mailing, second request mailing, and nonrespondents followup, 1,911 responses were entered into the data base, and there were 30 nonrespondents.

### ***Summary of Form EIA-176 Data Reporting Requirements***

The EIA-176 is a multiline schedule for reporting all supplies of natural gas and supplemental gaseous fuels

and their disposition within the State indicated. Respondents file completed forms with EIA in Washington, DC. Data for the report year are due by April 1 of the following year. Extensions of the filing deadline for up to 45 days are granted to any respondent on request.

All natural gas and supplemental gaseous fuels volumes are reported on a physical custody basis in thousand cubic feet (Mcf), and dollar values are reported to the nearest whole dollar. All volumes are reported at 14.73 pounds per square inch absolute pressure (psia) and 60 degrees Fahrenheit.

### ***Routine Form EIA-176 Edit Checks***

A series of manual and computerized edit checks are used to screen the Form EIA-176. The edits performed include validity, arithmetic, and analytical checks.

The incoming forms are reviewed prior to keying. This prescan determines if the respondent identification (ID) number and the company name and address are correct, if the data on the form appear complete and reasonable, and if the certifying information is complete.

Manual checks on the data are also made. Each form is prescanned to determine that data were reported on the correct lines. The flow of gas through interstate pipelines is checked at the company level to ensure that each delivery from a State is matched with a corresponding receipt in an adjoining State.

After the data are keyed, computer edit procedures are performed. Edit programs verify the report year, State code, and arithmetic totals. Further tests are made to ensure that all necessary data elements are present and that the data are reasonable and internally consistent. The computerized edit system produces error listings with messages for each failed edit test. When problems occur, respondents are contacted by telephone and required to file amended forms with corrected data.

### ***Other EIA Publications Referencing Form EIA-176***

Data from Form EIA-176 are also published in the *Natural Gas Annual*.

## **Form EIA-895, "Monthly Quantity of Natural Gas Report"**

### ***Survey Design***

In 1996, an annual schedule was added to the Form EIA-895 to replace the Form EIA-627. Data collection on the Form EIA-895 began in January 1995. This form was designed to replace the Interstate Oil and Gas Compact Commission (IOGCC) form, "Monthly Report of Natural Gas Production." In 1994, the IOGCC decided to discontinue collection of their form. All gas producing States are requested to report on the Form EIA-895; a voluntary report. Data are reported by State agencies. The form was designed to provide a standard reporting system, to the extent possible, for the natural gas data reported by the States. Data are not considered proprietary.

Beginning with 1980, natural gas production data previously obtained on an informal basis from State conservation agencies were collected on Form EIA-627. This form was designed by EIA to collect annual natural gas production data from the appropriate State agencies under a standard data reporting system within the limits imposed by the diversity of data collection systems of the various producing States. The form was redesigned in 1990 to collect monthly breakdowns of all annual data elements. Data are not considered proprietary. It was also designed to avoid duplication of effort in collecting production and value data by producing States and to avoid an unnecessary respondent burden on gas and oil well operators. In 1993, value and associated volume of marketed production by month was added to the EIA-627. In 1996, the Form EIA-627 was discontinued. The information is collected on an annual schedule on the Form EIA-895.

### ***Survey Universe and Response Statistics***

Form EIA-895 is mailed to energy or conservation agencies in all 33 natural gas producing States. All producing States participate voluntarily in the EIA-895 survey by filing the completed form or by responding to telephone contacts.

Reports on State production are due 20 days after the end of the report month. (In most cases, the data are not available to the States until after this time period.

Therefore, States are requested to send the report within 80 days after the end of the report month.) The annual schedule of the Form EIA-895 is due with the December data report.

### ***Summary of Data Requirements***

The Form EIA-895 monthly schedule consists of nine questions on one page, and requires volumetric information on gross production (gas and oil wells individually), gas used for repressuring, gas vented and flared, nonhydrocarbon gases removed, natural gas used as fuel on leases, marketed production, value based marketed production and the value in dollar amount of the marketed production.

Form EIA-895 annual schedule collects data on the monthly and annual production volume of natural gas (including gross withdrawals from both gas and oil wells); volumes returned to formation for repressuring, pressure maintenance, and cycling; quantities vented and flared; quantities of nonhydrocarbon gases removed; quantities of fuel used on leases; marketed production; the value of marketed production; and the number of producing gas wells.

Respondents are asked to report all volumes in thousand cubic feet at the State's standard pressure base and at 60 degrees Fahrenheit. All dollar values are reported in thousands.

### ***Routine Form EIA-895 Edit Checks***

Each filing of Form EIA-895 is manually checked for reasonableness and mathematical accuracy. Information on the forms is compared to totals of monthly data reported. Volumes are converted, as necessary, to a standard 14.73 psia pressure base. Reasonableness of data is assessed by comparing reported data to the previous year's data. State agencies are contacted by telephone to correct errors. Amended filings or resubmissions are not a requirement, since participation in the survey is voluntary.

### ***Other EIA Publications Referencing Form EIA-895***

Data from Form EIA-895 are also published in the EIA publication, *Natural Gas Annual*.

## **EIA-191 Survey, "Underground Natural Gas Storage Report"**

### ***Survey Design***

The Form EIA-191, "Underground Natural Gas Storage Report," was revised effective January 1994. Among the changes from the form used from 1991 through 1993 are a distinction between a monthly and annual survey. Prior to 1991, data on the storage of natural gas were collected on a survey jointly implemented in 1975 by the Federal Power Commission (FPC), the Federal Energy Administration (FEA), and the Bureau of Mines (BOM) as the FPC-8/ FEA-G-318 system. The data received on both the FPC-8 and FEA-G-318 were computerized and aggregated by FPC. The form was previously revised in 1991 to include storage data by State, field, and reservoir.

At the beginning of 1979, the EIA assumed responsibility for the collection, processing, and publication of the data gathered in the survey. Form FEA-G-318 was renewed on July 1, 1979, as Form EIA-191 and the survey was retitled the FPC-8/EIA-191 Survey (Figure D4 shows the EIA-191). Form FPC-8 was renewed in December 1985 and the survey retitled FERC-8/EIA-191 Survey. The forms were not merged because of FERC's stated desire to maintain the separate identity of the FERC-8 for administrative reasons. In September 1995, the FERC discontinued the reporting requirements of Form FERC-8. FERC jurisdictional firms will continue to file Form EIA-191.

### ***Survey Universe and Response Statistics***

The 103 companies that operate underground facilities will file the Form EIA-191. Of these companies, 42 are subject to the jurisdiction of FERC and are required to report data on Form EIA-191.

The response rate as of the filing deadline is approximately 20 percent. Data from the remaining 80 percent of respondents are received in writing and/or by telephone within 3 to 4 days after the filing deadline. All data supplied by telephone are subsequently filed in writing, generally within 15 days of the filing deadline. The final response rate is 100 percent.

### ***Summary of EIA-191 Data Reporting Requirements***

The EIA-191 monthly schedule contains current month and prior month's data on the total quantities of gas in storage, injections and withdrawals, the location (including State and county, field, reservoir) and peak day

withdrawals during the reporting period. Prior month's data are required only when data are revised. Information on co-owners of storage fields has been eliminated. The annual schedule contains type of facility, storage field capacity, maximum deliverability and pipelines to which each field is connected. The annual schedule is filed with the January submission.

Collection of the survey is on a custody basis. Information requested must be provided within 20 days after the first day of each month. Twelve reports are required per calendar year. Respondents are required to indicate whether the data reported are actual or estimated. For most of the estimated filings, the actual data or necessary revisions are reflected in the prior month section of the monthly form. Actual data on natural gas injections and withdrawals from underground storage are based on metered quantities. Data on quantities of gas in storage and on storage capacity represent, in part, reservoir engineering evaluations. All volumes are reported at 14.73 psia and 60 degrees Fahrenheit.

### ***Routine Form EIA-191 Edit Checks***

Data received on Form EIA-191 are entered into the survey processing system. The survey's five principal data elements (total, base, working gas in storage, injections, and withdrawals) receive a preliminary visual edit to eliminate and correct obvious errors or omissions. Respondents are required to refile reports containing any inconsistencies or errors.

### ***Other EIA Publications Referencing Form EIA-191***

The EIA publication *Monthly Energy Review* and *Winter Fuels Report* contain data from the EIA-191 survey.

### ***"Quarterly Natural Gas Import and Export Sales and Price Report"***

### ***Survey Design***

The collection of data covering natural gas imports and exports was begun in 1973 by the Federal Power Commission (FPC). On October 1977, FPC ceased to exist and its data collection functions were transferred to the Federal Energy Regulatory Commission (FERC) within the Department of Energy (DOE). From 1979 to 1994, the Energy Information Administration (EIA) has had the responsibility for collecting Form FPC-14, "Annual Report for Importers and Exporters of Natural

Gas." Data are not considered proprietary. The Form FPC-14 was discontinued in 1995.

Beginning in 1995, import and export data are taken from the "Quarterly Natural Gas Import and Export Sales and Price Report." This report is prepared by the Office of Fossil Energy, U.S. Department of Energy, based on information submitted by all firms having authorization to import or export natural gas.

### ***Survey Universe and Response Statistics***

All companies are required, as a condition of their authorizations to import or export natural gas, to file quarterly reports with the Office of Fossil Energy. These data are collected as part of its regulatory responsibilities. The data are reported at a monthly level of detail. Data reported on the Form FPC-14 represented physical movements of natural gas. Data collected by the Office of Fossil Energy are reported on an equity (sales) basis. For 1994 and earlier years, comparisons of the data from the two sources may show differences because reporting requirements were different.

Prior to 1995, the Form FPC-14 was filed annually by each organization or individual having authority to import and export natural gas regardless of whether any activity took place during the reporting year. Authorizations to import and export was originally granted by the FPC. In 1977, the authority to grant authorizations transferred to the Economic Regulatory Administration (ERA). It now resides with the Office of Fossil Energy, U.S. Department of Energy.

### ***Routine Edit Checks***

Respondents are required to certify the accuracy of all data reported. The data are checked for reasonableness and accuracy. If errors are found, the companies are required to file corrected data. The data are compared with data reported by the National Energy Board of Canada and are published quarterly. All natural gas volumes in this report are expressed at a pressure base of 14.73 pounds per square inch absolute and temperature of 60 degrees Fahrenheit, except as noted. All import and export prices are in U.S. dollars and, except for LNG exports, are those paid at the U.S. border. LNG export prices are those paid at the point of sale and delivery in Yokohama, Japan.

## **Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers"**

### ***Survey Design***

The original Form EIA-857 was approved for use in December 1984. Response to the Form EIA-857 is mandatory on a monthly basis. Data collected on the Form EIA-857 cover the 50 States and the District of Columbia and include both price and volume data. Data are considered proprietary.

### ***Survey Universe and Response Statistics***

A sample of 382 natural gas companies, including interstate pipelines, intrastate pipelines, and local distribution companies, report to the survey. The sample was selected independently for each of the 50 States and the District of Columbia from a frame consisting of all respondents to Form EIA-176 who reported deliveries of natural gas to consumers in the residential, commercial, or industrial sectors. Each selected company is required to complete and file the Form EIA-857 on a monthly basis. Initial response statistics on a monthly basis are as follows: responses received by due date, approximately 50 percent, and responses received after follow-up, 100 percent. Virtually all are received in time for incorporation in the current month's processing cycle. When a response is extremely late, and the company represents less than 25 percent of the natural gas volumes delivered by all sampled companies in the State, values are imputed as described in Appendix C. When the company's submission is eventually received, the submitted data are used for future processing and revisions.

The Form EIA-857 is a monthly sample survey of firms delivering natural gas to consumers. It provides data that are used to estimate monthly sales of natural gas (volume and price) by State and monthly deliveries of natural gas on behalf of others (volume) by State to three consumer sectors - residential, commercial, and industrial. (Monthly deliveries and prices of natural gas to electric utilities are reported on the Form FERC-423, "Monthly Report of Cost and Quality of Fuels for Electric Plants," and the Form EIA-759, "Monthly Power Plant Report.") See Appendix C for a discussion of the sample design and estimation procedures.



### ***Summary of Form EIA-857 Data Reporting Requirements***

Data collected monthly on the Form EIA-857 on a State level include the volume and cost of purchased gas, the volume and cost of natural gas consumed by sector (residential, commercial, and industrial), and the average heat content of all gas consumed. Respondents file completed forms with EIA in Washington, DC on or before the 30th day after the end of the report month.

All natural gas volumes are reported in thousand cubic feet at 14.73 psia at 60 degrees Fahrenheit and dollar values are reported to the nearest whole dollar.

### ***Routine Form EIA-857 Edit Checks***

A series of manual and computerized edit checks are used to screen the Form EIA-857. The edits performed include validity and analytical checks.

## Appendix C

### Statistical Considerations

The monthly sales (volume and price) and monthly deliveries (volume) of natural gas to residential, commercial and industrial consumers presented in this report by State are estimated from data reported on the Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers." (See Appendix B for a description of this Form.) These estimations must be made from the reported data since the Form EIA-857 is a sample survey. A description of the sample design and the estimation procedures is given below.

#### Sample Design

The Form EIA-857 is a monthly sample survey of companies delivering natural gas to consumers. It includes inter- and intrastate companies, and producers, as well as local distribution companies. The survey provides data that are used each month to estimate the volume of natural gas delivered and the price for onsystem sales of natural gas by State to three consumer sectors--residential, commercial, and industrial. Monthly deliveries and prices of natural gas to electric utilities are reported on the Form EIA-759, "Monthly Power Plant Report," and the Form FERC-423, "Monthly Report of Costs and Quality of Fuels for Electric Plants."

**Sample Universe.** The sample currently in use was selected from a universe of 1,538 companies. These companies were respondents to the Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition," for reporting year 1995 who reported sales or deliveries to consumers in the residential, commercial or industrial sectors. (See Appendix B for a description of the Form EIA-176.)

**Sampling Plan.** The goal was a sample that would provide estimates of monthly natural gas consumption by the three consuming sectors within each State and the District of Columbia. A stratified sample using a single stage and systematic selection with probability

proportional to size was designed. The measure of size was the volume of natural gas physically delivered in the State to the three consuming sectors by the company in 1995. There were two strata--companies selected with certainty and companies selected under the systematic probability proportional to size design.

Initial calculations showed that a 25 percent sample of companies would yield reasonably accurate estimates. The sample was selected independently in each State, resulting in a national total of 387 respondent companies. Unlike previous years, no mergers or acquisitions were uncovered as a result of the initial mail-out. Therefore there was no need for either substitution of respondent companies or a reduction in the total number of respondents.

**Certainty Stratum.** Since estimates were needed for each of the 50 States and the District of Columbia, the strata were established independently within each State. In 16 States and the District of Columbia where sampling was not feasible due to small numbers of companies and/or small volumes of gas deliveries, all companies were selected. The 16 States were: Alaska, Connecticut, Delaware, Hawaii, Idaho, Maine, North Dakota, New Hampshire, New Jersey, Nevada, Oregon, Rhode Island, South Dakota, Utah, Vermont, and Washington.

For each of the remaining States, the total volumes of industrial sales and deliveries and of the combined residential/commercial sales and deliveries were determined. Companies with natural gas deliveries to the industrial sector or to the combined residential/commercial sector above a certain level were selected with certainty. Since a few large companies often account for most of the natural gas delivered within a State, this ensures those companies' inclusion in the sample. The formula for determining certainty was applied independently in the two consumer sectors--the industrial and the combined residential/commercial. These selected companies, together with the companies in the jurisdictions discussed where sampling was not feasible, formed the certainty stratum.

All companies with natural gas deliveries in sector  $j$  greater than the cut-off value ( $C_j$ ) were included in the certainty stratum. The formula for  $C_j$  was:

$$C_j = \frac{X_j}{2n} \quad (1)$$

where:

$C_j$  = cutoff value for consumer sector  $j$ ,

$n$  = target sample size to be selected for the State, 25 percent of the companies in the State,

$X_{ij}$  = the annual volume of natural gas deliveries by company  $i$  to customers in consumer sector  $j$ ,

$X_i$  = the sum within State of annual gas volumes for company  $i$ ,

$X_j$  = the sum within State of annual gas volumes in consumer sector  $j$ ,

$X_{..}$  = the sum within State of annual gas volumes in all consumer sectors.

**Noncertainty Stratum.** All other companies formed the noncertainty stratum. They were systematically sampled with probability proportional to size. The measure of size for each company was the total volume of gas sales to all consumer sectors ( $X_i$ ). The number of companies to be selected from the noncertainty stratum was calculated for each State, with a minimum of 2.

The formula for selecting the number of noncertainty stratum companies was:

$$m = n \frac{X_2}{X_{..}} \quad (2)$$

where:

$m$  = the sample size for the noncertainty stratum within a State,

$X_2$  = the sum within State of the  $X_i$  for all companies in the noncertainty stratum.

Companies were listed in ascending order according to their measure of size and then a cumulative measure of size in the stratum was calculated for each company. The cumulative measure of size was the sum of the measures of size for that company and all preceding companies on the list. An interval of width  $I$  for selecting the companies systematically was calculated using

$(I = \frac{X_2}{m})$ . A uniform random number  $R$  was selected between zero and  $I$ . The first sampled company was

the first company on the list to have a cumulative measure of size greater than  $R$ . The second company selected was the first company on the list to have a cumulative measure of size greater than  $R + I$ .  $R + I$  was increased again by  $I$  to determine the third company to be selected. This procedure was repeated until the entire sample was drawn.

**Subgroups.** In eight States, the noncertainty stratum was divided into subgroups to ensure that gas in each consumer sector could be estimated. The systematic sample with probability proportional to size design described above was applied independently in each subgroup. The methods for determining the subgroup sample size and calculating the subgroup interval for sample selection were the same as the methods described above for the noncertainty stratum, except that  $X_2$  was the sum within State of the  $X_i$  for only those companies in the subgroup.

These subgroups were defined only for the purpose of sample selection. They are:

California: companies handling only industrial gas and all other companies.

Iowa: companies handling industrial gas and companies delivering only to residential or commercial customers.

Louisiana: companies handling only industrial gas and all other companies, with the latter being further subdivided according to size. The larger group is comprised of all companies with total deliveries of at least 200 million cubic feet while the smaller group consists of companies with less than that volume of delivered gas (three subgroups).

Oklahoma: Companies delivering less than 500 million cubic feet of gas and those delivering more than that volume.

Texas: companies handling only residential/commercial gas, companies handling only industrial gas, and all other companies (three subgroups).

## Estimation Procedures

**Estimates of Volumes.** A ratio estimator is applied to the volumes reported in each State by the sampled companies to estimate the total gas sales and deliveries for the State. Ratio estimators are calculated for each consumer sector—residential, commercial, and industrial—in each State where companies are sampled. The following annual data are taken from the most recent 1995 submissions of Form EIA-176:

The formula for calculating the ratio estimator ( $E_{vj}$ ) for the volume of gas in consumer sector j is:

$$E_{vj} = \frac{Y_j}{Y'_j} \quad (3)$$

where:

$Y_j$  = the sum within State of annual gas volumes in consumer sector j for all companies,

$Y'_j$  = the sum within State of annual gas volumes in consumer sector j for those companies in the sample.

The ratio estimator is applied as follows:

$$V_j = y_j \times E_{vj} \quad (4)$$

where:

$V_j$  = the State estimate of monthly gas volumes in consumer sector j,

$y_j$  = the sum within State of reported monthly gas volumes in consumer sector j.

**Computation of Natural Gas Prices.** The natural gas volumes that are included in the computation of prices represent only those volumes associated with natural gas sales.

The price of natural gas for a State within a sector is calculated as follows:

$$P_j = \frac{R_j}{V_j}$$

where:

$P_j$  = the average price for gas sales within the State in consumer sector j,

$R_j$  = the reported revenue from natural gas sales within the State in consumer sector j,

$V_j$  = the reported volume of natural gas sales within the State in consumer sector j.

All average prices are weighted by their corresponding sales volume estimates when national average prices are computed.

The monthly average prices of natural gas are based on sales data only. Volumes of gas delivered for the account of others to these consumer sectors are not included in the State or national average prices.

Table 25 shows the percent of the total State volume that represents volumes from natural gas sales to the commercial and industrial sectors. This table may be helpful in evaluating commercial and industrial price data. Virtually all natural gas deliveries to the residential sector represent onsystem sales volumes only.

See the section on consumer price calculations in this Appendix for further price information.

**Estimation for Nonrespondents.** A volume for each consumer category is imputed for companies that fail to respond. The imputation is based on the previous month's value reported by the non-responding company and the change from the previous month to the current month in volumes reported by other companies in the State. The imputed volumes are included in the State totals. To estimate prices for non-respondents, the unit price (dollars per thousand cubic feet) reported by the company in the previous month is used.

The formula for imputing volumes of gas sales for nonrespondents was:

$$F_t = F_{t-1} \times \frac{y_{jt}}{y_{jt-1}} \quad (5)$$

where:

$F_t$  = imputed gas volume for current month t,

$F_{t-1}$  = gas volume for the company for the previous month,

$y_{jt}$  = gas volume reported by companies in the State stratum for report month t,

$y_{jt-1}$  = gas volume in the previous month for companies in the State stratum that reported in month t.

## Final Revisions

**Adjusting Monthly Data to Annual Data.** After the annual data reported on the Form EIA-176 have been submitted, edited, and prepared for publication in the *Natural Gas Annual*, revisions are made to monthly data. The revisions are made to the volumes and prices of natural gas delivered to consumers that have appeared in the *Natural Gas Monthly* to match them to the annual values appearing in the *Natural Gas Annual*. The revised monthly estimates allocate the difference between the sum of monthly estimates and the annual reports according to the distribution of the estimated values across the months.

Before the final revisions are made, changes or additions to submitted data received after publication of the monthly estimate and not sufficiently large to require a revision to be published in the *Natural Gas Monthly*, are used to derive an updated estimate of monthly consumption and revenues for each State's residential, commercial, or industrial natural gas consumption.

For each State, two numbers are revised, the estimated consumption and the estimated price per thousand cubic feet.

The formula for revising the estimated consumption is:

$$V_{jm}^* = V_{jm} + \left[ (V_{ja} - V'_{jm}) \left( \frac{V_{jm}}{V'_{jm}} \right) \right] \quad (6)$$

where:

$V_{jm}^*$  = the final volume estimate for month m in consumer sector j,

$V_{jm}$  = the estimated volume for month m in consumer sector j,

$V_{ja}$  = the volume for the year reported on Form EIA-176,

$V'_{jm}$  = The annual sum of estimated monthly volumes.

The price is calculated as described above in the Estimation Procedures section, using the final revised consumption estimate and a revised revenue estimate. The formula for revising the estimated revenue is:

$$R_{jm}^* = R_{jm} + \left[ (R_{ja} - R'_{jm}) \left( \frac{R_{jm}}{R'_{jm}} \right) \right] \quad (7)$$

where:

$R_{jm}^*$  = the final revenue estimate for month m in consumer sector j,

$R_{jm}$  = the estimated revenue for month m in consumer sector j,

$R_{ja}$  = the revenue for the year reported on Form EIA-176,

$R'_{jm}$  = The annual sum of estimated monthly revenues. Revision of Volumes and Prices for Deliveries to Electric Utilities. Revisions to monthly electric utilities data are published throughout the year as they become available.

## Reliability of Monthly Data

The monthly data published in this report are subject to two sources of error - nonsampling error and sampling error. Nonsampling errors occur in the collection and processing of the data. See the discussion of the Form EIA-857 in Appendix B for a description of nonsampling errors for monthly data.

Sampling error may be defined as the difference between the results obtained from a sample and the results that a complete enumeration would provide. The standard error statistic is a measurement of sampling error.

**Standard Errors.** A standard error of an estimate is a statistical measure that indicates how the estimate from the sample compares to the result from a complete enumeration. Standard errors are calculated based on statistical theory that refers to all possible samples of the same size and design.

The standard errors for monthly natural gas volume estimates by State are given in Table C1. Ninety-five percent of the time, the volume that would have been obtained from a complete enumeration will lie in the range between the estimated volume minus two standard errors and the estimated volume plus two standard errors.

The standard error of the natural gas volume estimate is the square root of the variance of the estimate. The formula for calculating the variance of the volume estimate is:

$$V(\hat{Y}) = \sum_{h=1}^H \left[ N_h^2 \frac{(1 - \frac{n_h}{N_h})}{n_h(n_h - 1)} \left( \sum_{i=1}^{n_h} (y_i - T x_i)^2 \right) \right] \quad (8)$$

where:

$H$  = the total number of strata

$N_h$  = the total number of companies in stratum h

$n_h$  = the sample size in stratum h

$y_i$  = the reported monthly volume for company i

$x_i$  = the reported annual volume for company i

$T$  = the ratio of the sum of the reported monthly volumes for sample companies to the sum of the reported annual volumes for the sample companies.

**Table C-1. Standard Error for Natural Gas Deliveries and Price to Consumers by State,  
March 1998**

State	Volume Million Cubic Feet				Price Dollars per Thousand Cubic Feet		
	Residential	Commercial	Industrial	Total	Residential	Commercial	Industrial
Alabama .....	827	232	3,999	4,090	0.45	0.47	0.60
Alaska .....	0	0	0	0	—	—	—
Arizona .....	82	51	0	97	0.05	0.01	—
Arkansas .....	0	0	0	0	—	—	—
California .....	697	332	3,578	3,660	0.06	0.12	0.31
Colorado .....	NA	NA	NA	NA	NA	NA	NA
Connecticut .....	0	0	0	0	—	—	—
Delaware .....	0	0	0	0	—	—	—
District of Columbia .....	0	0	0	0	—	—	—
Florida .....	233	469	2,180	2,242	1.28	0.33	0.34
Georgia .....	310	316	2,892	2,926	0.08	0.07	0.82
Hawaii .....	0	0	0	0	—	—	—
Idaho .....	0	0	0	0	—	—	—
Illinois .....	3,869	2,742	2,328	5,283	0.24	0.21	0.46
Indiana .....	1,128	845	979	1,716	0.17	0.20	0.28
Iowa .....	141	551	113	580	0.13	0.15	0.58
Kansas .....	400	4,276	540	4,329	0.50	2.44	0.96
Kentucky .....	166	118	65	214	0.14	0.16	4.01
Louisiana .....	6,283	12,365	8,336	16,182	4.05	2.13	0.02
Maine .....	0	0	0	0	—	—	—
Maryland .....	9	30	227	229	0.01	—	0.29
Massachusetts .....	213	145	963	997	0.12	0.07	0.65
Michigan .....	0	0	0	0	—	—	—
Minnesota .....	137	636	902	1,112	0.15	0.11	0.14
Mississippi .....	NA	NA	NA	NA	NA	NA	NA
Missouri .....	248	443	307	593	0.41	0.24	0.56
Montana .....	3	3	0	4	0.01	0.02	—
Nebraska .....	32	68	84	113	0.05	0.32	0.06
Nevada .....	0	0	0	0	—	—	—
New Hampshire .....	0	0	0	0	—	—	—
New Jersey .....	0	0	0	0	—	—	—
New Mexico .....	437	580	702	1,010	0.35	0.50	—
New York .....	NA	NA	4,794	NA	NA	NA	1.09
North Carolina .....	468	77	438	645	0.01	0.04	0.13
North Dakota .....	0	0	0	0	—	—	—
Ohio .....	321	275	841	941	0.26	0.10	0.28
Oklahoma .....	728	241	837	1,136	0.69	0.38	2.04
Oregon .....	NA	NA	NA	NA	NA	NA	NA
Pennsylvania .....	560	257	1,920	2,017	0.15	0.05	0.12
Rhode Island .....	0	0	0	0	—	—	—
South Carolina .....	135	63	161	219	0.39	0.13	0.11
South Dakota .....	0	0	0	0	—	—	—
Tennessee .....	5,974	3,727	2,929	7,626	3.56	3.06	2.24
Texas .....	92	9,804	11,459	15,081	0.06	1.57	0.23
Utah .....	0	0	0	0	—	—	—
Vermont .....	0	0	0	0	—	—	—
Virginia .....	151	64	974	988	0.20	0.30	1.07
Washington .....	NA	NA	NA	NA	NA	NA	NA
West Virginia .....	3,471	255	36	3,480	3.09	1.49	0.74
Wisconsin .....	850	2,171	519	2,388	0.41	0.59	0.12
Wyoming .....	12	172	NA	NA	0.22	0.34	NA
<b>Total .....</b>	<b>13,704</b>	<b>18,020</b>	<b>17,027</b>	<b>28,327</b>	<b>0.11</b>	<b>0.13</b>	<b>0.16</b>

NA = Not Available.

— = Not Applicable.

Source: Energy Information Administration, Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers."

## Appendix D

### Natural Gas Reports and Feature Articles

#### ***Reports Dealing Principally with Natural Gas and/or Natural Gas Liquids***

- *Natural Gas Annual 1995*, DOE/EIA-0131(95), November 1996.
- *Natural Gas Annual 1993 Supplement: Company Profiles*, DOE/EIA-0131(93/S), February 1995.
- *Natural Gas 1996 Issues and Trends*, DOE 0560(96), December 1996.

#### ***Other Reports Covering Natural Gas, Natural Gas Liquids, and Other Energy Sources***

- *Monthly Energy Review*, DOE/EIA-0035. Published monthly. Provides national aggregate data for natural gas, natural gas liquids, and other energy sources.
- *Short-Term Energy Outlook*, DOE/EIA-0202. Published quarterly. Provides forecasts for next six quarters for natural gas and other energy sources.
- *Natural Gas 1995: Issues and Trends*, DOE/EIA-0560(95), November 1995.
- *U.S. Crude Oil, Natural Gas, and Natural Gas Liquids Reserves - 1995 Annual Report*, DOE/EIA-0216(95)/Advance Summary, October 1996.
- *Annual Energy Review 1995*, DOE/ EIA-0384(95), July 1996. Published annually.
- *Annual Report to Congress 1995 DOE/ EIA-01733(95)*, July 1996. Published annually.
- *Annual Energy Outlook 1996*, DOE/ EIA-0383(96), January 1996. Published annually.

#### ***Selected One-Time Natural Gas and Related Reports***

- *The Value of Underground Storage in Today's Natural Gas Industry*, DOE/EIA-0591, March 1995.
- *Natural Gas Productive Capacity for the Lower 48 States, 1980 through 1995*, DOE/EIA-0542(95), July 1994.
- *Largest U.S. Oil and Gas Fields*, DOE/EIA-TR-0567, August 1993.
- *Energy Policy Act Transportation Rate Study*, DOE/EIA-0571, October 1993.
- *Energy Policy Act Transportation Study: Interim Report of Natural Gas Flows and Rates*, DOE/EIA-0602, October 1995.

#### ***Selected and Recurring Natural Gas and Related Data Reference Reports***

- *Directory of Energy Data Collection Forms*, DOE/EIA-0249(95), January 1996.
- *Oil and Gas Field Code Master List, 1995*, EIA-0370(95), December 1996.

#### ***Feature Articles***

##### ***March 1995***

##### ***The Comparability of Resource and Reserve Data for Crude Oil, Natural Gas, Coal, and Uranium***

(Clarifies which terms are equivalent among the four major energy minerals in the United States.)

### ***July 1995***

#### **Revisions to Monthly Natural Gas Data**

(Discusses the revision errors for natural gas data.)

### ***June 1996***

#### **Natural Gas Industry Restructuring and Data Collection**

(Discusses how restructuring of the natural gas industry has impacted the natural gas data collection efforts.)

### ***July 1996***

#### **Revisions to Monthly Natural Gas Data**

(Discusses the revision errors for natural gas data.)

### ***November 1996***

#### **U.S. Natural Gas Imports and Exports - 1995**

(Contains final 1995 data on all U.S. imports and exports of natural gas.)

### ***December 1996***

#### **Crosswell Seismology -- A View from Aside**

(Discusses crosswell seismology and its geologic and economic implications for the domestic oil and gas industry.)

### ***May 1997***

#### **Restructuring Energy Industries: Lessons from Natural Gas**

(Compares and contrasts the natural gas and electric power industries.)

### ***July 1997***

#### **Intricate Puzzle of Oil and Gas "Reserves Growth"**

(Discusses the factors that affect ultimate recovery estimates of a field or reservoir.)

### ***August 1997***

#### **Natural gas Residential Pricing Developments During the 1996-97 Winter**

(Discusses key factors that affect pricing patterns, highlights the effects of weather, utilization patterns of natural gas storage, and pricing mechanisms used in natural gas markets.)

### ***December 1997***

#### **Recent Trends in Natural Gas Spot Prices**

(Focuses primarily on conditions and developments in the East Consuming Region and their connection to prices at the Henry Hub in the Producing Region.)

### ***March 1998***

#### **EIA Corrects Errors in EIA's Drilling Activity Estimates Series**

(Discusses and corrects errors in EIA's monthly and annual estimates of oil and gas drilling activity.)

### **Special Focuses**

### ***January 1997***

#### **Natural Gas Productive Capacity**

(Analyzes monthly natural gas wellhead productive capacity in the lower 48 States from 1985 and 1996 and project this capacity for 1996 and 1997.)



## **Outlook for Natural Gas Through 2015**

(Presents an outlook for natural gas through 2015.)

### ***August 1997***

#### **Worldwide Natural Gas Supply and Demand And the Outlook For Global LNG Trade**

(Focuses on natural gas into the next century with emphasis on world natural gas supply and demand to 2015.)

### ***September 1997***

#### **Advance Summary: U.S. Crude Oil, Natural Gas, and Natural Gas Liquids Reserves, 1996 Annual Report - Advance Summary**

(Focuses on proved reserves of domestic crude oil, natural gas, and natural gas liquids.)

### ***May 1998***

#### **Deliverability on the Interstate Natural Gas Pipeline System**

(Examines the capability of the interstate pipeline network to move gas to various U.S. markets and discusses changes occurring since 1990.)

## **Special Reports**

### ***March 1997***

#### **Natural Gas Analysis and Geographic Information Systems**

(Explores how geographic information system techniques and methodologies are being used by the Energy Information Administration.)

### ***April 1997***

#### **Natural Gas Pipeline and System Expansions**

(Examines recent expansions to the North American natural gas

### **Natural Gas 1996: Highlights**

(Reviews data for 1996 based on Energy Information Administration surveys.) pipeline network.)

### **July 1997**

#### **Revisions to Monthly Natural Gas Data**

(Discusses the revision errors for natural gas data.)

### ***August 1997***

#### **U.S. Natural Gas Imports and Exports - 1996**

(Contains final 1996 data on all U.S. imports and exports of natural gas.)

### ***September 1997***

#### **U.S. Underground Storage of Natural Gas in 1997: Existing and Proposed**

(Examines recent and proposed expansions of underground natural gas storage capacity and deliverability in the United States as of September 1, 1997.)

### ***October 1997***

#### **Comparison of Natural Gas Storage Estimates from the EIA and AGA**

(Compares EIA and AGA estimates from January 1994 through July 1997.)

### ***April 1998***

#### **Natural Gas 1997: A Preliminary Summary**

(Reviews data for 1997 based on Energy Information Administration surveys.)

## Appendix E

### Technical Contacts

Section	Tables		Principal Data Sources	Technical Contact
Summary Statistics: Natural Gas Production	1, 2, 3	Monthly: Annual:	EIA-895, "Monthly Quantity of Natural Gas Report"	Sharon Belcher (202) 586-6119
		Monthly:	Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers"	Roy Kass (202) 586-4790
Extraction Loss	1	Monthly: Annual:	EIA computations Form EIA-816, "Monthly Natural Gas Liquids Report" and Form EIA-64A, "Annual Report of the Origin of Natural Gas Liquids Production"	Margo Natof (202) 586-6303
Supplemental Gaseous Fuels	2	Monthly: Annual:	EIA computations Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition"	Margo Natof (202) 586-6303
Imports and Exports	2	Monthly: Annual:	EIA computations Office of Fossil Energy, U.S. Department of Energy, "Natural Gas Import and Exports"	Linda Cook (202) 586-6306
Price: City Gate, Residential, Commercial, and Industrial	4	Monthly:	Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers"	Roy Kass (202) 586-4790
Wellhead	4	Monthly: Annual:	EIA computations Form EIA-895, "Monthly Quantity and Value of Natural Gas Report"	Sylvia Norris (202) 586-6106
Electric Utility	4	Monthly:	Form FPC-423, "Cost and Quality of Fuels for Electric Power Plants"	Roy Kass (202) 586-4790
Summary of Natural Gas Imports and Exports	5,6	Monthly:	Quarterly Natural Gas Import and Export Sales and Price Report	Linda Cook (202) 586-6306
Producer Related Activities: Natural Gas Production	7,8	Monthly:	EIA-895, "Monthly Quantity of Natural Gas Report"	Sharon Belcher (202) 586-6119

Underground Storage:	9, 10, 11 12, 13, 14	Monthly:	Forms FERC-8 and EIA-191, "Underground Gas Storage Report"	Carol Jones (202) 586-6168
Distribution and Consumption:				
Deliveries to:				
Residential,	15	Monthly:	Form EIA-857, "Monthly Report of	Roy Kass
Commercial,	16		Natural Gas Purchases and Deliveries	(202) 586-4790
Industrial,	17		to Consumers"	
Electric Utility,	18		Form FERC-423, "Cost and Quality	
All Consumers	19		of Fuels for Electric Power Plants"	
Average Price to:				
City Gate,	20	Monthly:	Form EIA-857, "Monthly Report of	Roy Kass
Residential,	21		Natural Gas Purchases and Deliveries	(202) 586-4790
Commercial,	22		to Consumers"	
Industrial,	23		Form FERC-423, "Cost and Quality	
Electric Utility	24		of Fuels for Electric Power Plants"	
Onsystem Sales	25	Monthly:	Form EIA-857, "Monthly Report of	Roy Kass
			Natural Gas Purchases and Deliveries	(202) 586-4790
			to Consumers"	
Heating Degree Days	26	Seasonal:	National Oceanic and Atmospheric	Patricia Wells
			Administration	(202) 586-6077
Highlights				Mary Carlson
				(202) 586-4749

## Appendix F

### Natural Gas Electronic Products

In addition to printed publications, the Energy Information Administration distributes information concerning the natural gas industry in a variety of electronic formats through several media. Two main types of products are available electronically: *viewable documents* that may be read or printed; and *post-processable files* that may be directly used as input to a computer application without additional keying and checking of data.

Viewable documents represent complete or selected sections of publications including text, tables and graphs. They may be as specific as single tables or as general as an entire publication. Post-processable documents on the other hand are either macro-level rep-

resentations of information in published tables or micro-level respondent information representing responses on a specific nonconfidential survey.

The media used to distribute these electronic publications include: (1) The Energy Information Administration's Internet site (<http://www.eia.doe.gov> or <ftp://ftp.eia.doe.gov>); (2) Dial-in access through the Energy Information Administration's EPUB electronic bulletin board or through the Economic Bulletin Board of the Department of Commerce and the COGIS system; (3) The Energy Information Administration's quarterly CD-ROM(Info-Disk); (4) The Energy Information Administration's Fax on Demand System; and (5) diskettes.

	Internet	Dial-In	InfoDisk	Fax	Diskette
ANNUAL PUBLICATIONS					
Natural Gas Annual, Volume 1, 1994 Provides information on supply, and disposition of natural gas in the United States. Information is provided nationally, regionally, and by State for 1994.	V P		V P		P
Natural Gas Annual, Volume 2, 1994 Contains historical information about supply and disposition of natural gas at the national, regional, and State level as well as prices at selected points in the flow of gas from wellhead to burnertip.	P		P		P
Natural Gas 1995: Issues and Trends Addresses current issues affecting the natural gas industry and markets, and analyzes trends in the most recent natural gas data.	V		V		
Natural Gas 1994: Issues and Trends Provides an overview of the natural gas industry in 1993 and early 1994, focusing on the overall ability to deliver gas under the new regulatory mandates of the Federal Energy Regulatory Commission's Order 636.	V		V		
Oil and Gas Products List 1994-1995 Brief descriptions of the various information products prepared by the Office of Oil and Gas.	V		V		
U.S. Crude Oil, Natural Gas, and Natural Gas Liquids Reserves Annual Report 1994 1994 national and State estimates of reserves, reserve changes, and production, plus industry highlights.	V		V		
MONTHLY PUBLICATIONS					
Natural Gas Monthly, from September 1995 forward. Entire Publication in viewable format	V		V		

V=Viewable

P=Post-Processable

	Internet	Dial-In	InfoDisk	Fax	Diskette
OTHER PUBLICATIONS					
Natural Gas 1995: Preliminary Highlights This Special Focus, which was featured in the April 1996 issue of the <i>Natural Gas Monthly</i> , presents events that affected the natural gas industry during 1995.	V	P		V	
Energy Policy Act Transportation Study: Interim Report on Natural Gas Flow and Rates (EPACT) Analysis of natural gas transportation rates and distribution patterns for the period from 1988 through 1994.	V		V		
Oil Production Capacity Expansion Cost for the Persian Gulf Quantifies the cost of expanding oil production capacity for the Persian Gulf based on geologic plays and fields rather than country-level economics. Development costs and volumes are estimated for the next 15 years.	V		V		
Costs and Indices for Domestic Oil and Gas Field Equipment and Production Operations 1990-1993 Cost of equipment and operation of oil and gas wells in the lower 48 States.	V		V		
Drilling Sideways- A Review of Horizontal Well Technology and the Domestic Application April 1993 report presenting salient aspects of current and near-future horizontal drilling and completion technology.	V		V		
International Oil and Gas Exploration and Development Compilation of country-level data and assessment of regional trends relating to upstream aspects of global oil and gas supply.	V		V		
Natural Gas Productive Capacity for the Lower 48 States 1984-1996 Analysis of monthly natural gas wellhead productive capacity.	V		V		
Natural Gas Productive Capacity for the Lower 48 States 1980-1995 Analysis of monthly natural gas wellhead productive capacity.	V		V		
Oil and Gas Field Code Master List Comprehensive listing of U.S. oil and gas field names as of November 1995.	V		V		
Oil and Gas Resources of the Fergana Basin (Uzbekistan, Tadzhikistan, and Kyrgyzstan) Reservoir level assessments of oil and gas ultimate recovery in the former Soviet Union area.	V		V		
The Value of Underground Storage in Today's Natural Gas Industry Explores the significant and changing role of storage in the industry.	V		V		
U.S. Oil and Gas Development in the Early 1990's Analyses of the growing prominence of smaller energy companies in U.S. oil and gas production	V		V		
ANNUAL DATA					
Natural Gas Supply and Disposition, by State 1994	V P	V P		V	

V=Viewable

P=Post-Processable

	Internet	Dial-In	InfoDisk	Fax	Diskette
Natural Gas Summary, United States by Year 1990-1994	V P	V P		V	
1994 Natural Gas Annual Volume 1 data Self-extracting file containing data (in comma-delimited format) that appear in the tables in Volume I of the 1994 <i>Natural Gas Annual</i> .	P		P		P
1994 Natural Gas Annual Volume 2 data Self-extracting file containing historical information (in comma-delimited format) found in the tables in Volume II of the 1994 <i>Natural Gas Annual</i> . Annual historical data at the national level are presented for 1930-1994. Annual information by State and region is presented for 1967-1994.	P		P		P
1993 Data reported on Form EIA-176 A self-extracting compressed file containing data reported on Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition" for 1993.	P				P
1994 Data reported on Form EIA-176 A self-extracting compressed file containing data reported on Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition" for 1994.	P				P
Data archive of historical reserves estimates for U.S. Crude Oil, Natural Gas, and Natural Gas Liquids. National, State, and State subregion data published in the reserves balance tables of <i>U.S. Crude Oil, Natural Gas, and Natural Gas Liquids Reserves</i> from 1977 forward.	P				P
MONTHLY DATA					
Natural Gas Production, United States by Month 1989-forward	P	P		V	
Natural Gas Supply and Disposition, 1989-forward	P	P		V	
Natural Gas Imports and Exports 1989-forward	P	P		V	
Natural Gas Underground Storage: United States Total by Month 1989-forward	P	P		V	
Natural Gas Prices: United States Total by Month 1989-forward	P	P		V	
Natural Gas Consumption by Sector: United States Total by Month, 1989-forward	P	P		V	
SELF-EXTRACTING COMPRESSED DATA FILE ARCHIVES					
Natural Gas Consumption and Prices, for most recent 2-3 years	P	P			
Natural Gas Consumption and Prices, for 1984-1992	P	P			
OTHER REPORTS					
Natural Gas Weekly Market Update Analysis of current price, supply and storage data along with a two week snapshot of the weather in four distinct metropolitan areas.	V			V	

V=Viewable

P=Post-Processable

# Glossary

**Balancing Item:** Represents the difference between the sum of the components of natural gas supply and the sum of the components of natural gas disposition. These differences may be due to quantities lost or to the effects of data reporting problems. Reporting problems include differences due to the net result of conversions of flow data metered at varying temperature and pressure bases and converted to a standard temperature and pressure base; the effect of variations in company accounting and billing practices; differences between billing cycle and calendar period time frames; and imbalances resulting from the merger of data reporting systems which vary in scope, format, definitions, and type of respondents.

**Base (Cushion) Gas:** The volume of gas needed as a permanent inventory to maintain adequate underground storage reservoir pressures and deliverability rates throughout the withdrawal season. All native gas is included in the base gas volume.

**British Thermal Unit (Btu):** The heat required to raise the temperature of one pound of water by one degree Fahrenheit at or near 39.2 degrees Fahrenheit.

**City-gate:** A point or measuring station at which a gas distribution company receives gas from a pipeline company or transmission system.

**Commercial Consumption:** Gas used by nonmanufacturing organizations such as hotels, restaurants, retail stores, laundries, and other service enterprises, and gas used by local, State, and Federal agencies engaged in nonmanufacturing activities.

**Depletion:** The loss in service value incurred in connection with the exhaustion of the natural gas reserves in the course of service.

**Depreciation:** The loss in service value not restored by current maintenance, incurred in connection with the consumption or respective retirement of a gas plant in the course of service from causes that are known to be in current operation and against which the utility is not protected by insurance; for example, wear and tear, decay, obsolescence, changes in demand and requirements of public authorities, and the exhaustion of natural resources.

**Dry Natural Gas Production:** Marketed production less extraction loss.

**Electric Utility Consumption:** Gas used as fuel in electric utility plants.

**Exports:** Natural gas deliveries out of the continental United States and Alaska to foreign countries.

**Extraction Loss:** The reduction in volume of natural gas resulting from the removal of natural gas liquid constituents at natural gas processing plants.

**Flared:** The volume of gas burned in flares on the base site or at gas processing plants.

**Gross Withdrawals:** Full well stream volume, including all natural gas plant liquid and nonhydrocarbon gases, but excluding lease condensate. Also includes amounts delivered as royalty payments or consumed in field operations.

**Imports:** Natural gas received in the Continental United States (including Alaska) from a foreign country.

**Independent:** Producers: Any person who is engaged in the production or gathering of natural gas and who sells natural gas in interstate commerce for resale but who is not engaged in the transportation of natural gas (other than gathering) by pipeline in interstate commerce.

**Industrial Consumption:** Natural gas used by manufacturing and mining establishments for heat, power, and chemical feedstock.

**Interstate Companies:** Natural gas pipeline companies subject to FERC jurisdiction.

**Intransit Deliveries:** Redeliveries to a foreign country of foreign gas received for transportation across U.S. territory and deliveries of U.S. gas to a foreign country for transportation across its territory and redelivery to the United States.

**Intransit Receipts:** Receipts of foreign gas for transportation across U.S. territory and redelivery to a foreign country and redeliveries to the United States of U.S. gas transported across foreign territory.

**Intrastate Companies:** Companies not subject to FERC jurisdiction.

**Lease and Plant Fuel:** Natural gas used in well, field, lease operations and as fuel in natural gas processing plants.

**Liquefied Natural Gas (LNG):** Natural gas that has been liquefied by reducing its temperature to minus 260 degrees Fahrenheit at atmospheric pressure.

**Marketed Production:** Gross withdrawals less gas used for repressuring, quantities vented and flared, and nonhydrocarbon gases removed in treating or processing operations. Includes all quantities of gas used in field and processing operations. See Explanatory Note 1 for discussion of coverage of data concerning nonhydrocarbon gases removed.

**Native Gas:** Gas in place at the time that a reservoir was converted to use as an underground storage reservoir as in contrast to injected gas volumes.

**Natural Gas:** A mixture of hydrocarbon compounds and small quantities of various nonhydrocarbons existing in the gaseous phase or solution with oil in natural underground reservoirs at reservoir conditions.

**Nonhydrocarbon Gases:** Typical nonhydrocarbon gases that may be present in reservoir natural gas are carbon dioxide, helium, hydrogen sulfide, and nitrogen.

**Onsystem Sales:** Sales to customers where the delivery point is a point on, or directly interconnected with, a transportation, storage, and/or distribution system operated by the reporting company.

**Pipeline Fuel:** Gas consumed in the operation of pipelines, primarily in compressors.

**Repressuring:** The injection of gas into oil or gas formations to effect greater ultimate recovery.

**Residential Consumption:** Gas used in private dwellings, including apartments, for heating, cooking, water heating, and other household uses.

**Salt Cavern Storage Field:** A storage facility that is a cavern hollowed out in either a salt "bed" or "dome" formation.

**Storage Additions:** The volume of gas injected or otherwise added to underground natural gas or liquefied natural gas storage during the applicable reporting period.

**Storage Withdrawals:** Total volume of gas withdrawn from underground storage or liquefied natural gas storage during the applicable reporting period.

**Supplemental Gaseous Fuels Supplies:** Synthetic natural gas, propane-air, refinery gas, biomass gas, air injected for stabilization of heating content, and manufactured gas commingled and distributed with natural gas.

**Synthetic Natural Gas (SNG):** A manufactured product chemically similar in most respects to natural gas, that results from the conversion or reforming of petroleum hydrocarbons and may easily be substituted for or interchanged with pipeline quality natural gas.

**Therm:** One-hundred thousand British thermal units.

**Underground Gas Storage Reservoir Capacity:** Interstate company reservoir capacities are those certificated by FERC. Independent producer and intrastate company reservoir capacities are reported as developed capacity.

**Vented Gas:** Gas released into the air on the base site or at processing plants.

**Wellhead Price:** Represents the wellhead sales price, including charges for natural gas plant liquids subsequently removed from the gas, gathering and compression charges, and State production, severance, and/or similar charges.

**Working (Top Storage) Gas:** The volume of gas in an underground storage reservoir above the designed level of the base. It may or may not be completely withdrawn during any particular withdrawal season. Conditions permitting, the total working capacity could be used more than once during any season.